

FIG.1

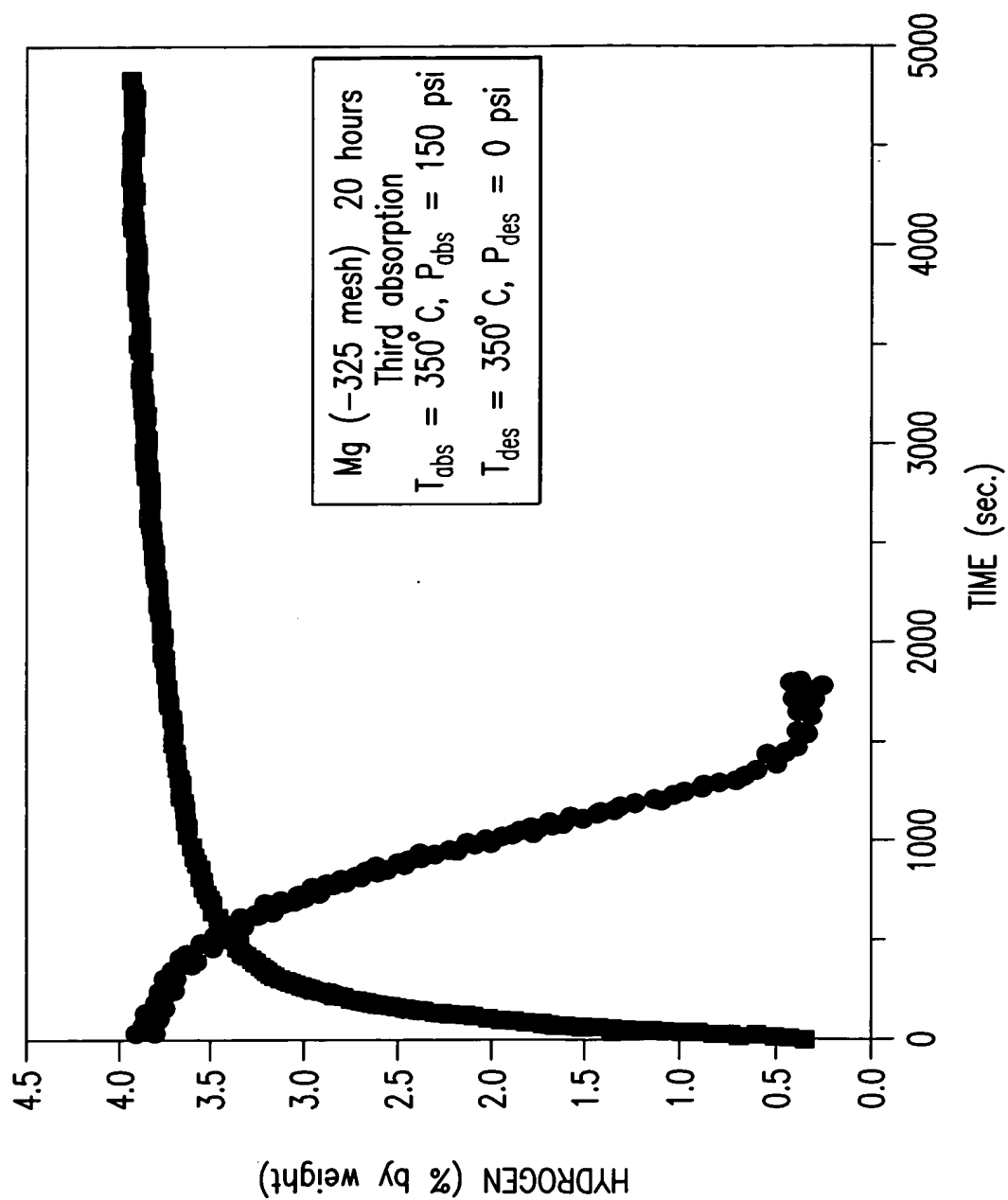


FIG.2

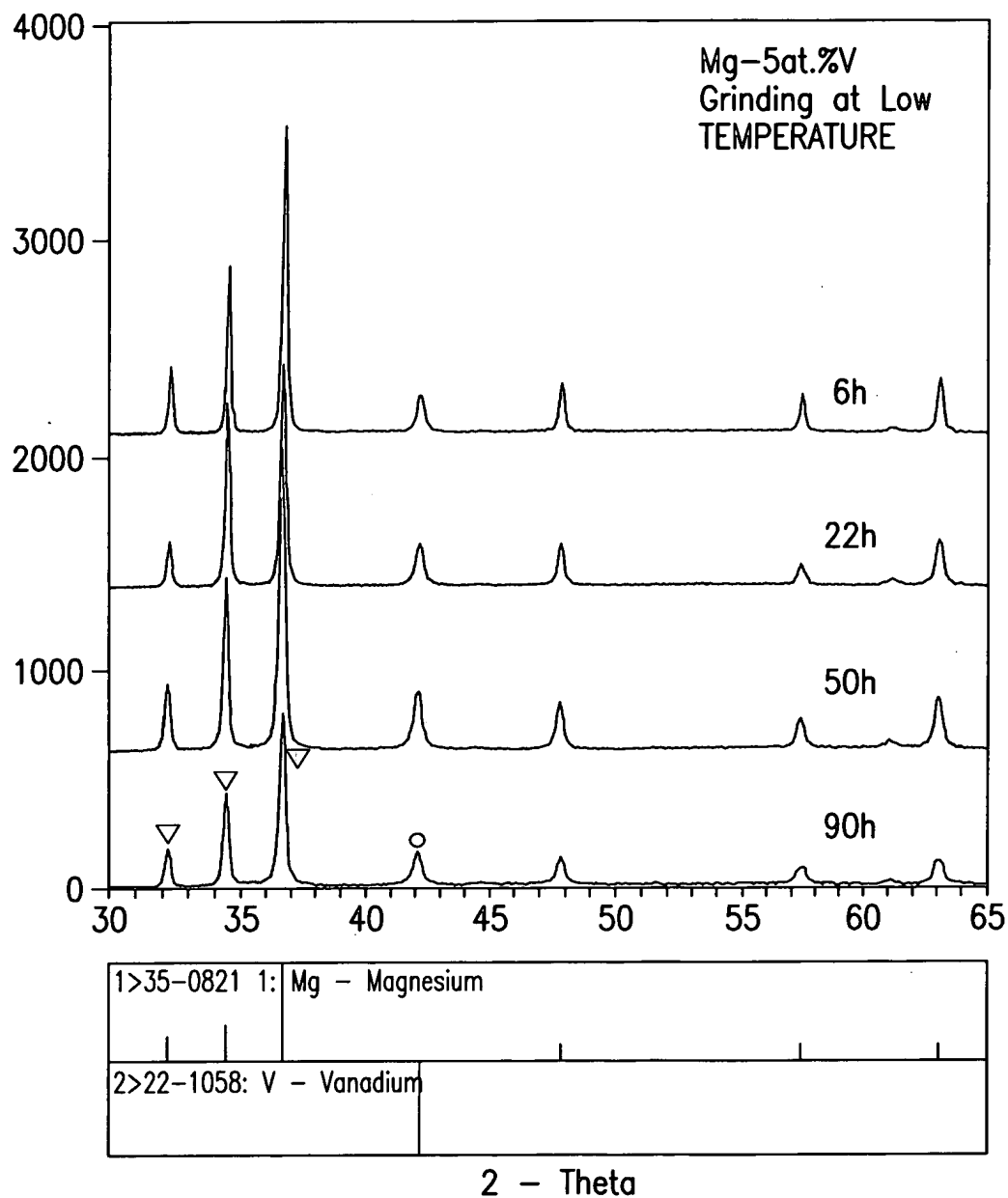


FIG.3

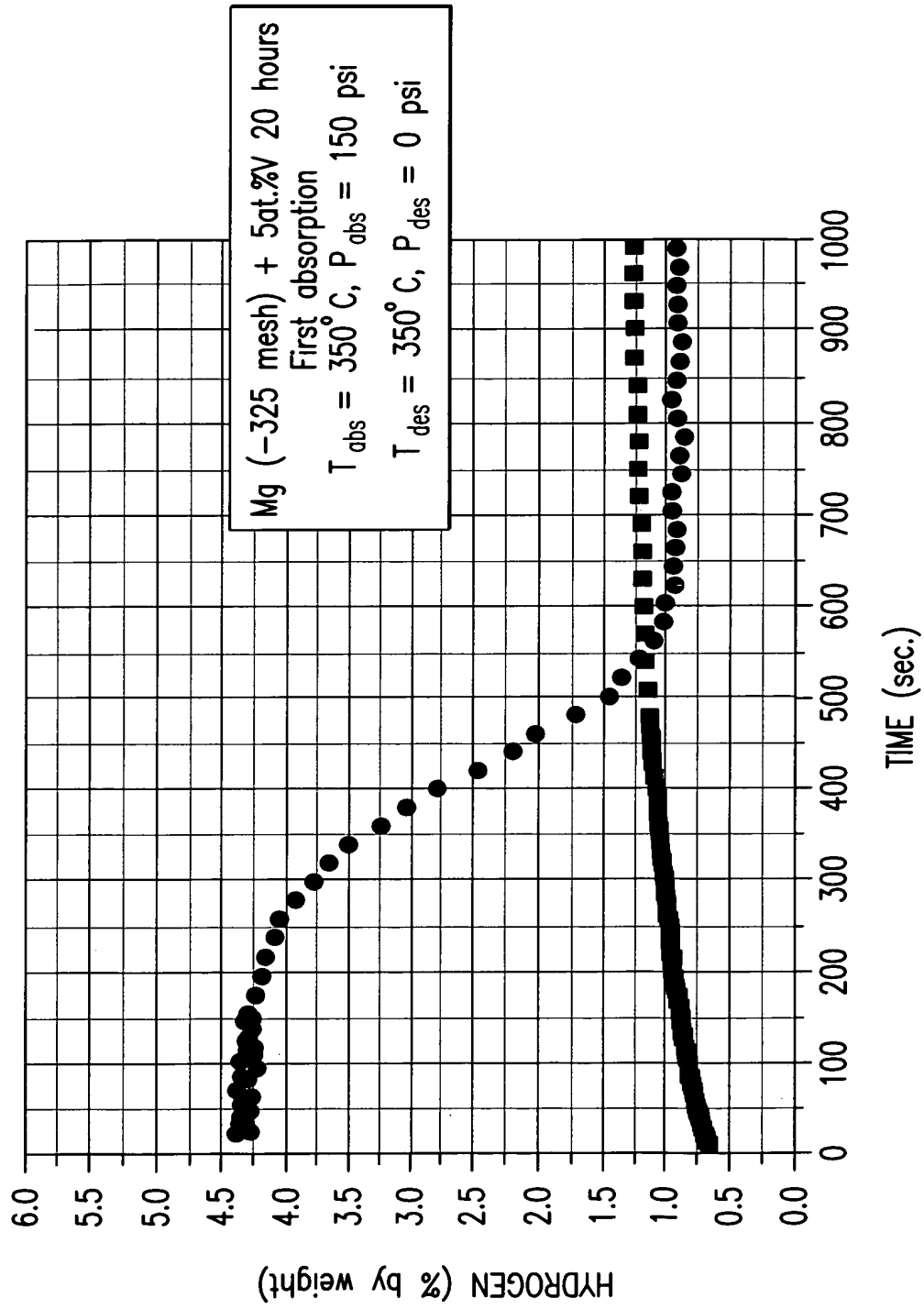


FIG.4

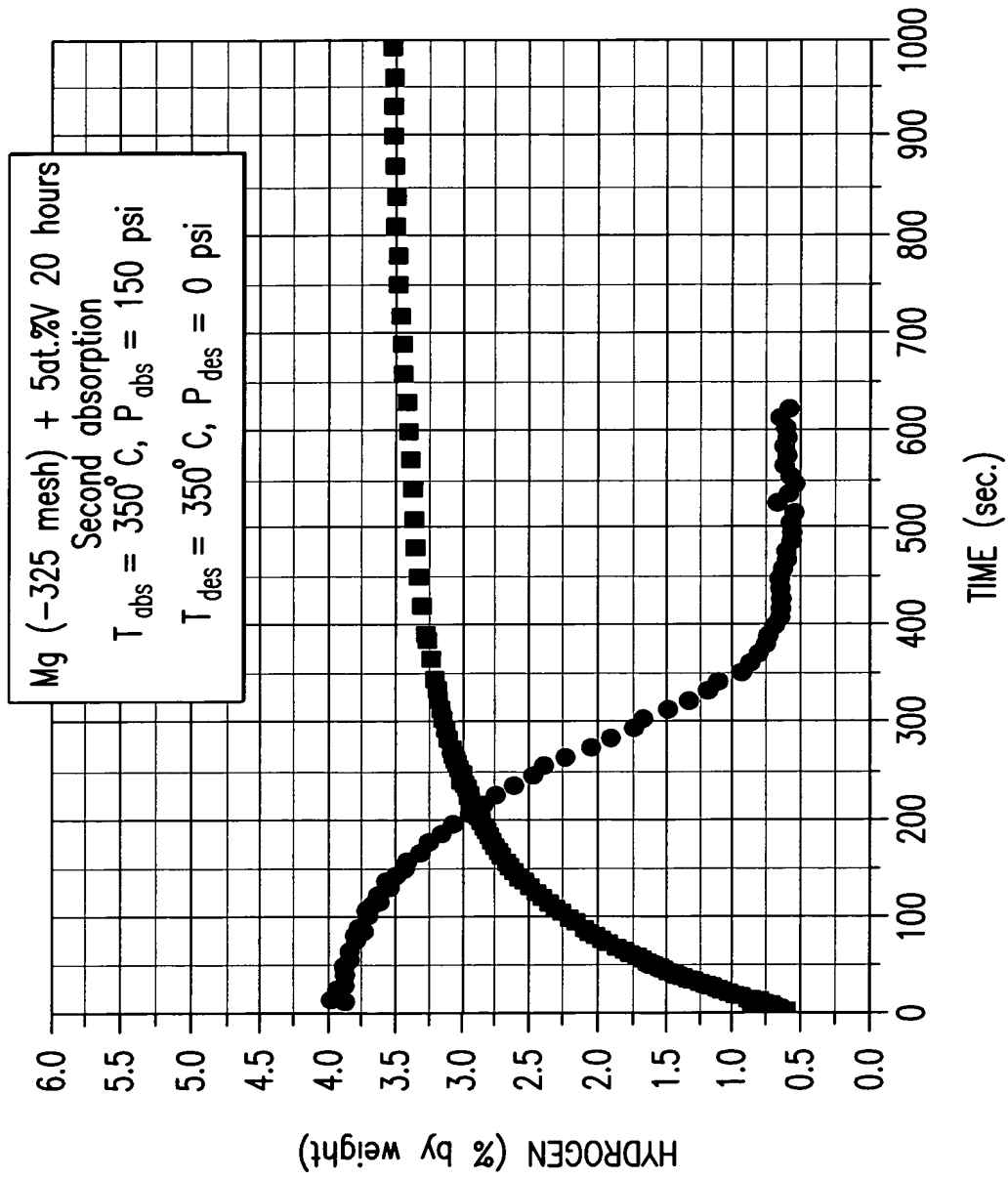


FIG.5

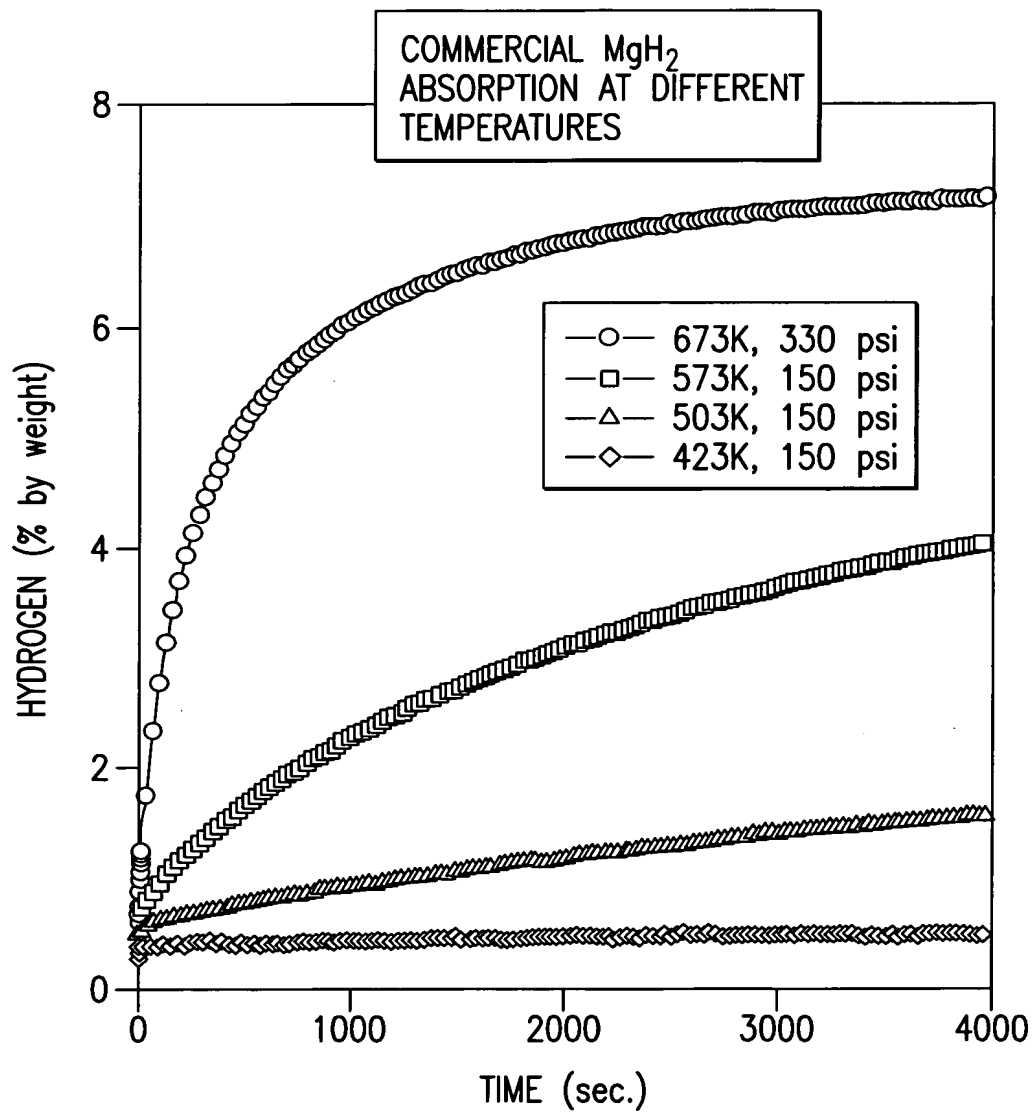


FIG.6

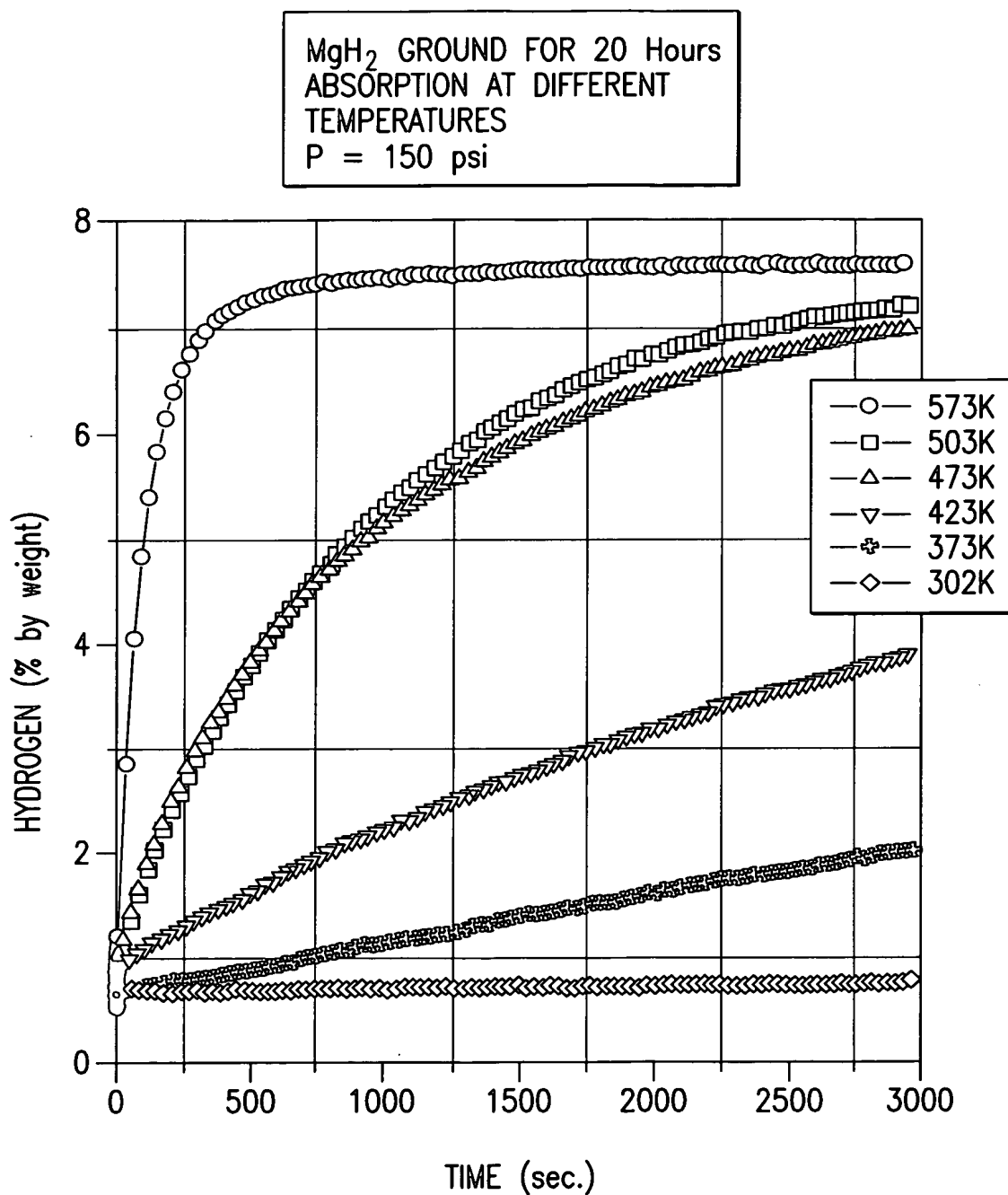


FIG.7

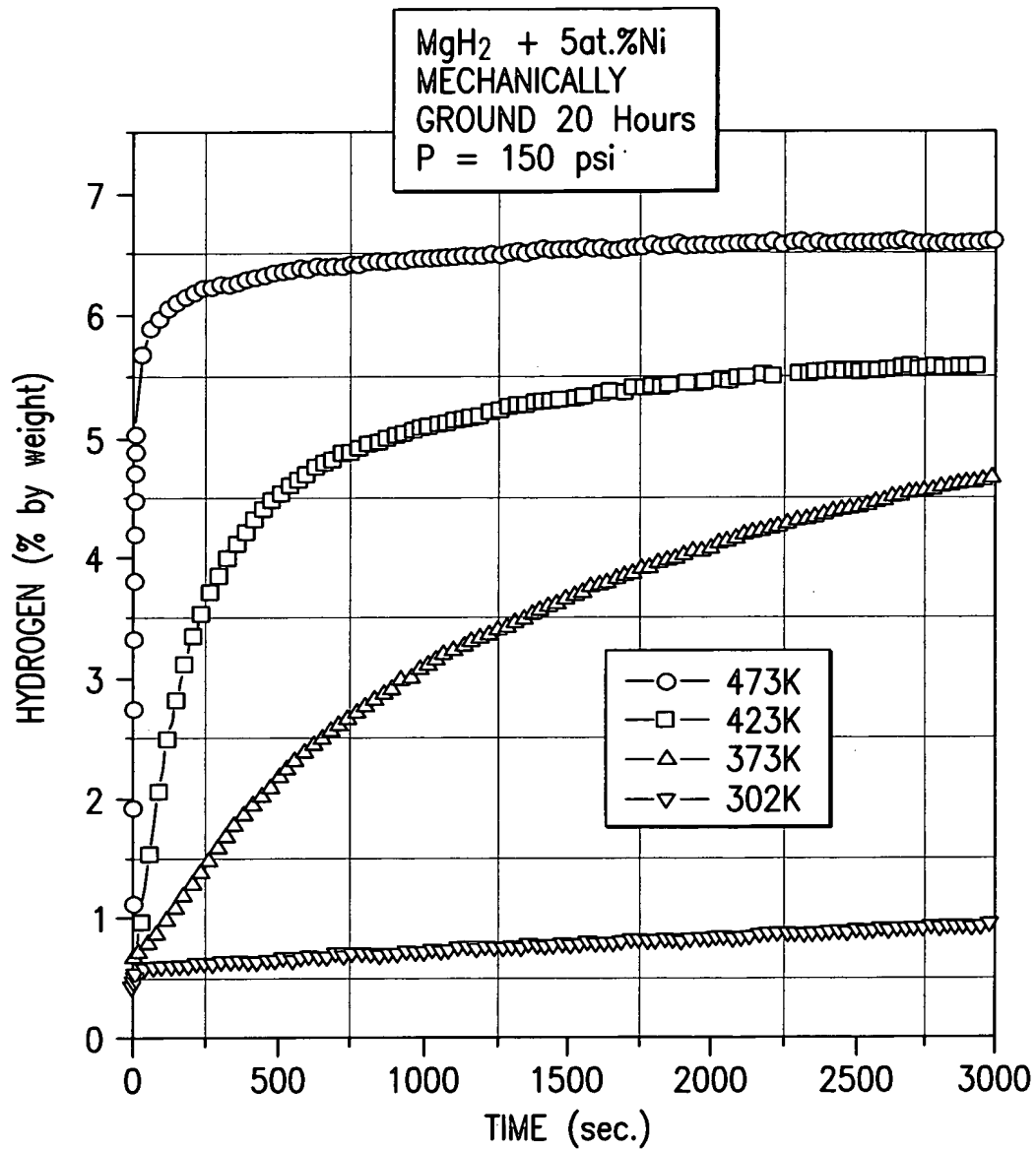


FIG.8

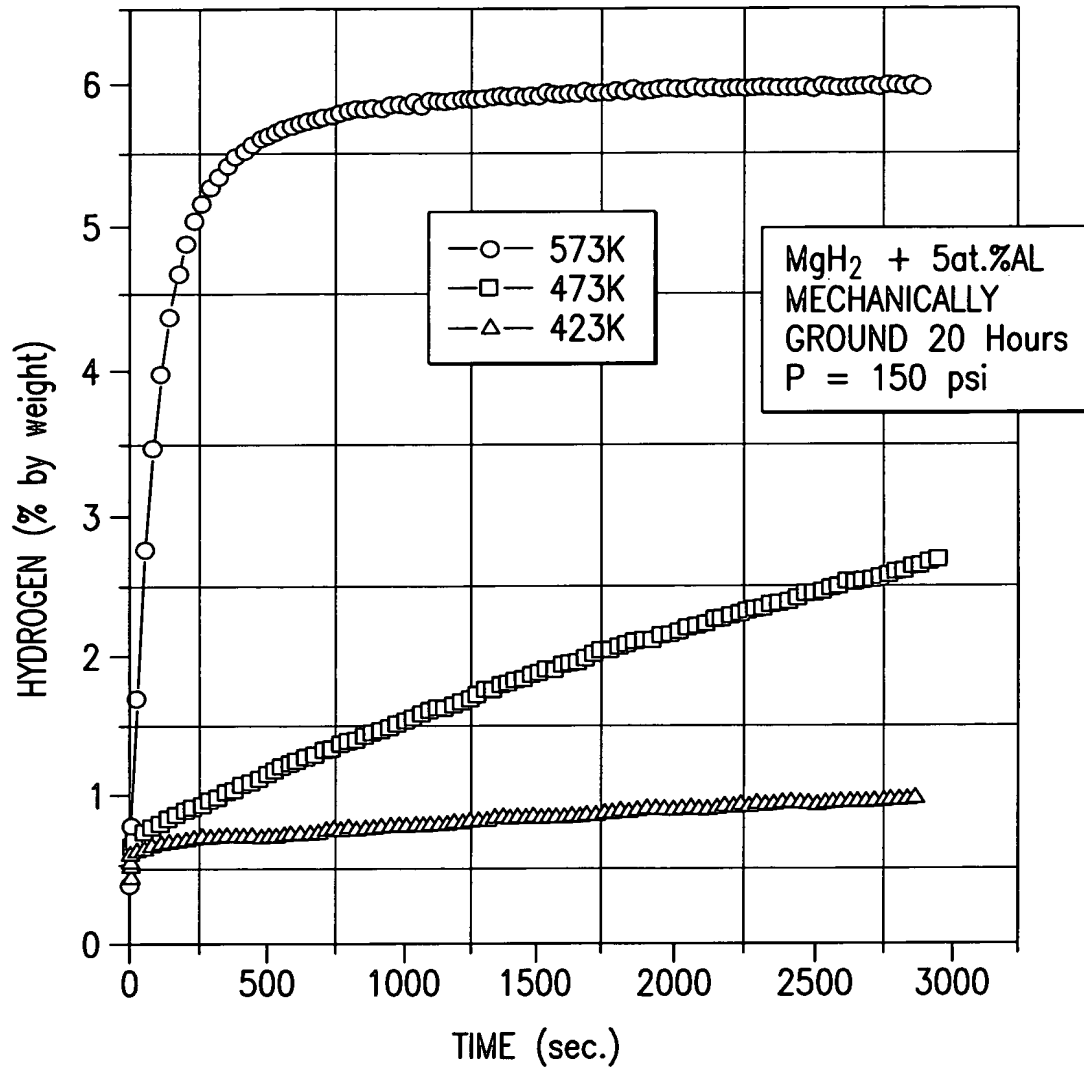


FIG.9

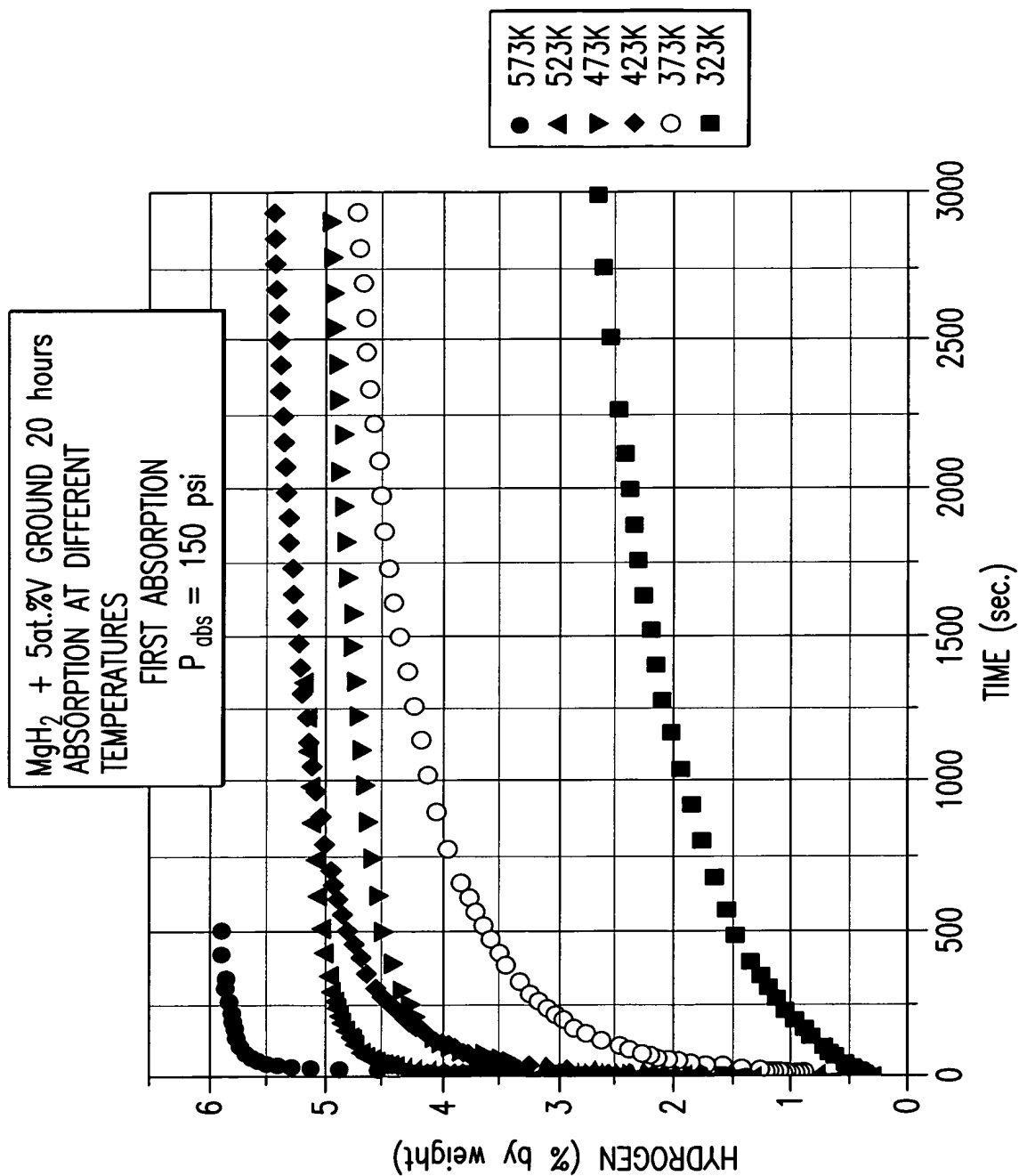


FIG.10

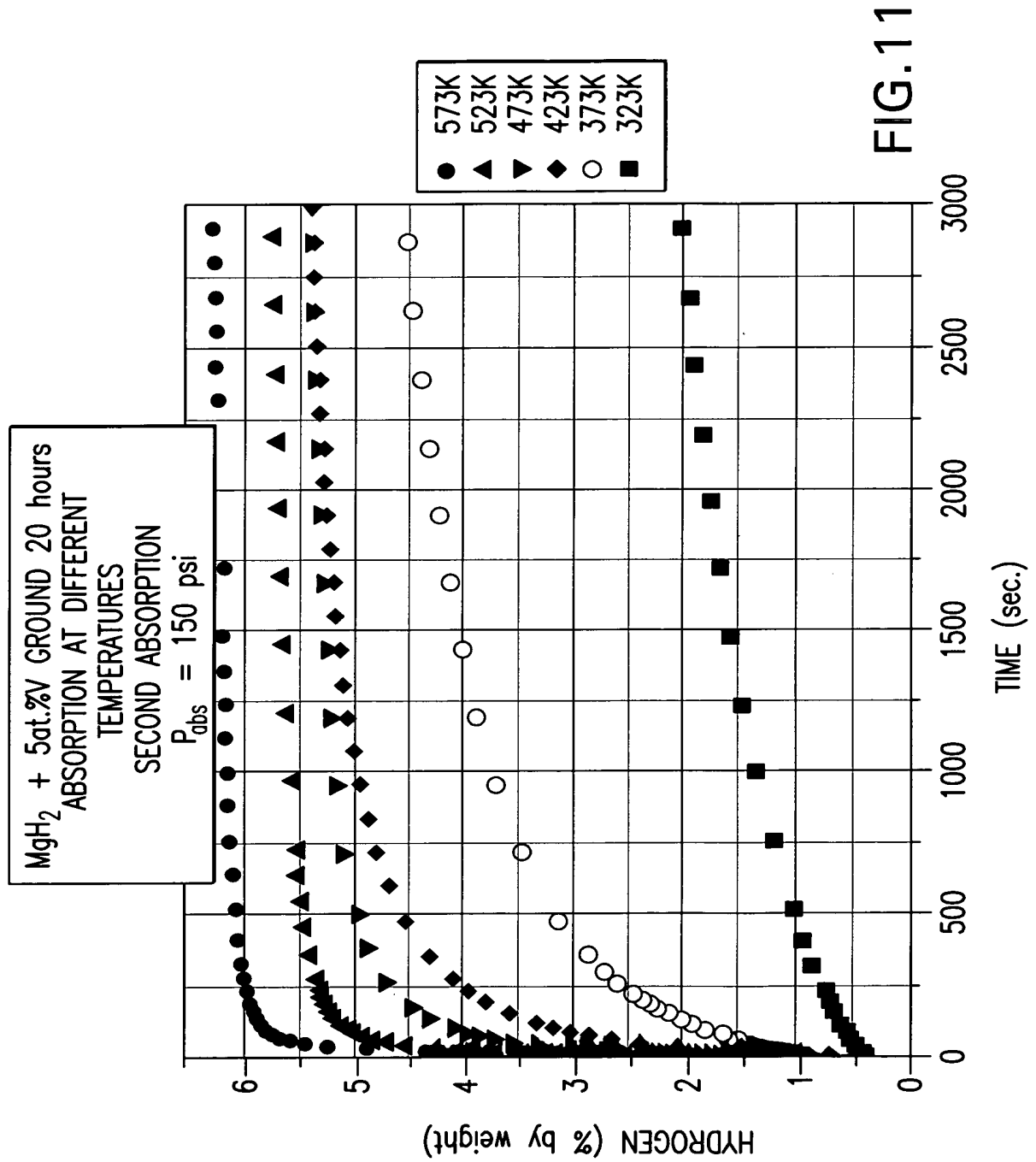


FIG. 11

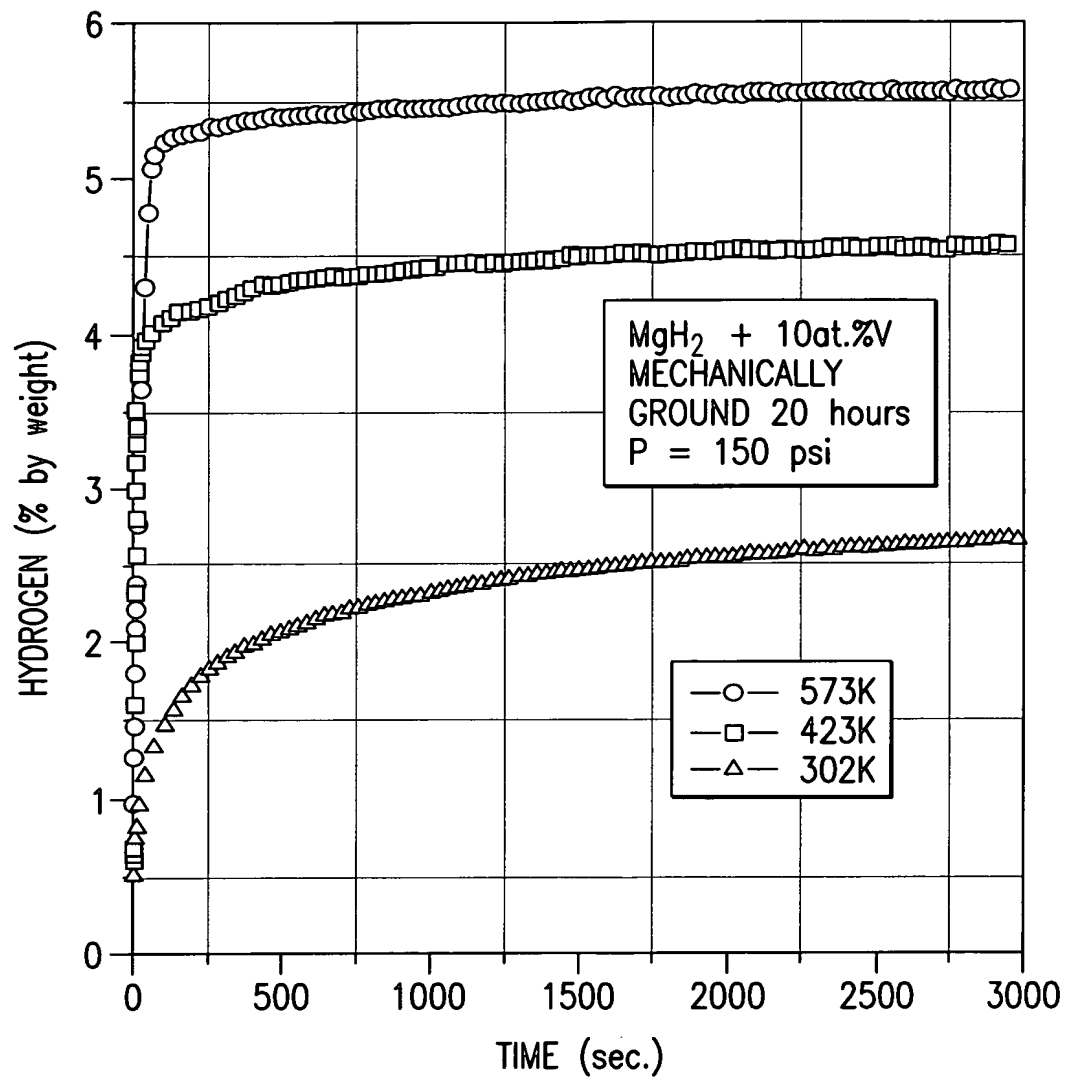


FIG.12

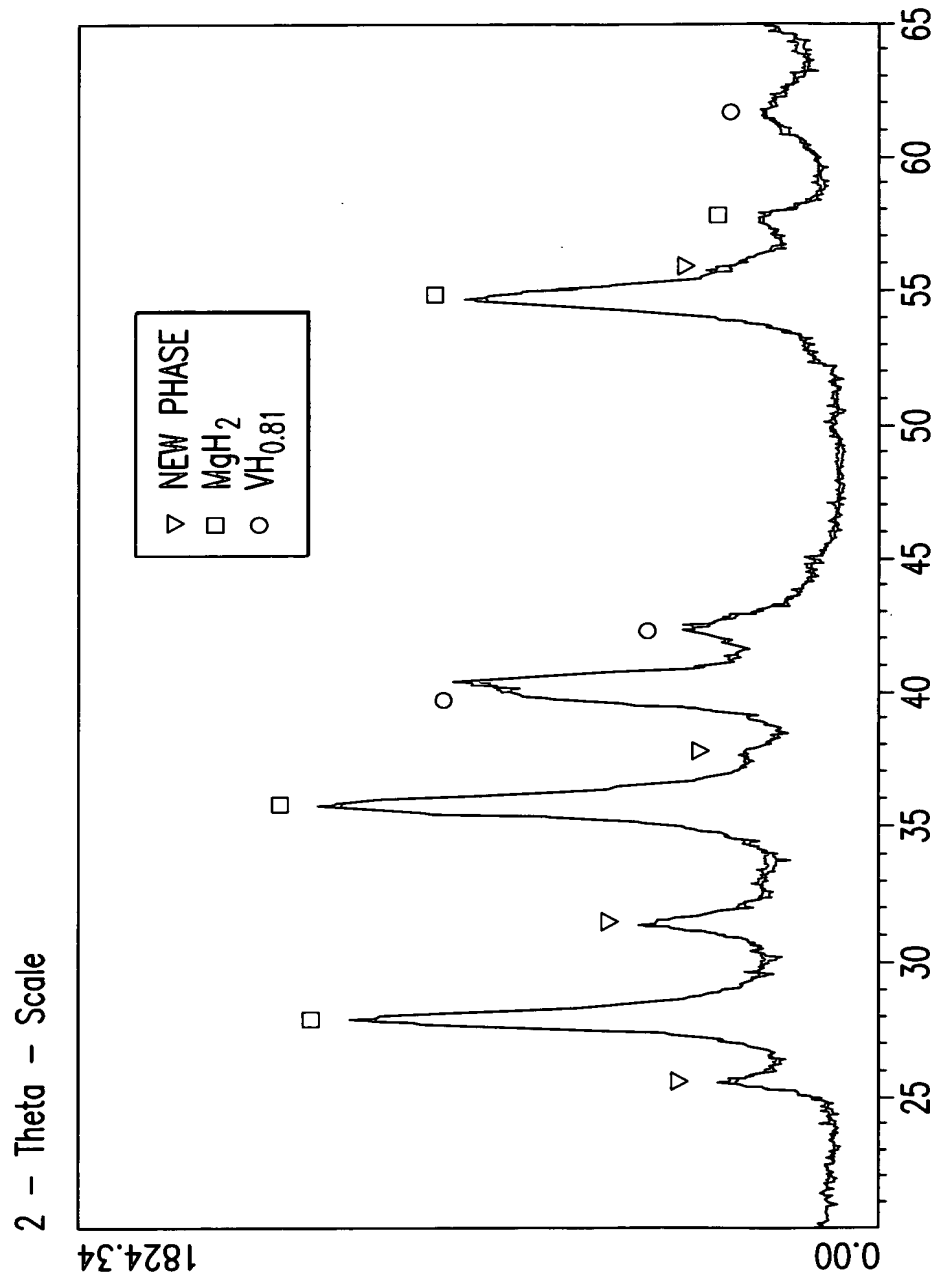


FIG.13

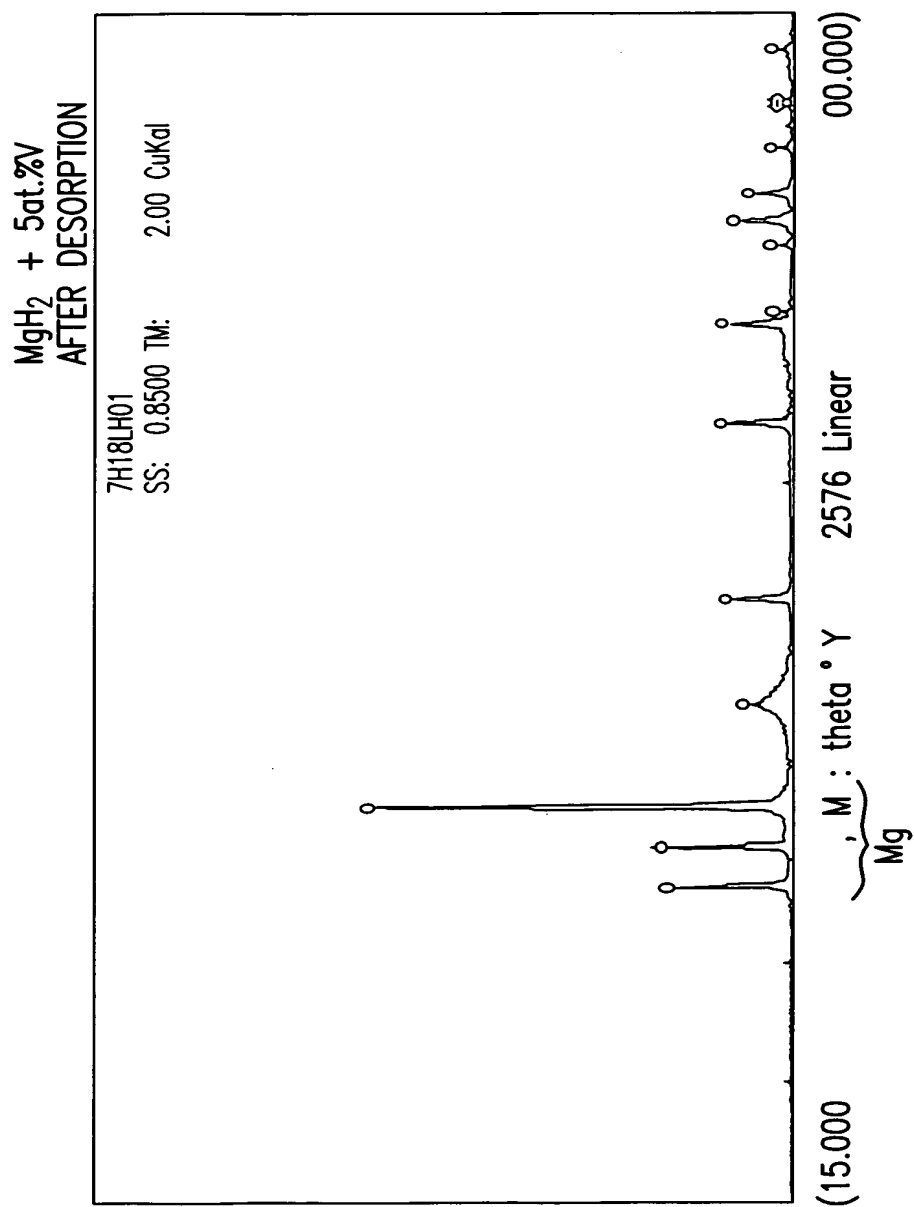


FIG.14

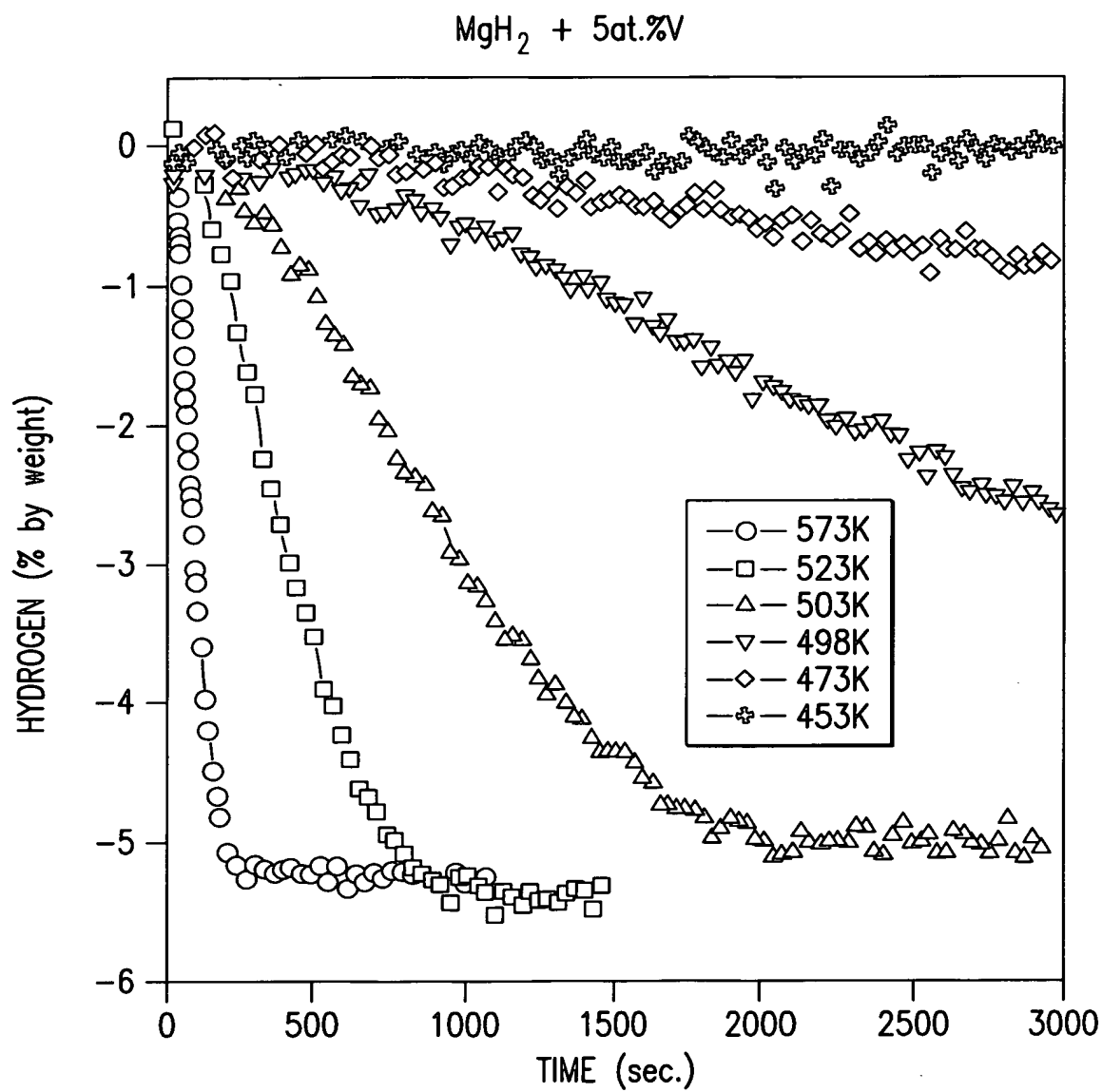


FIG.15

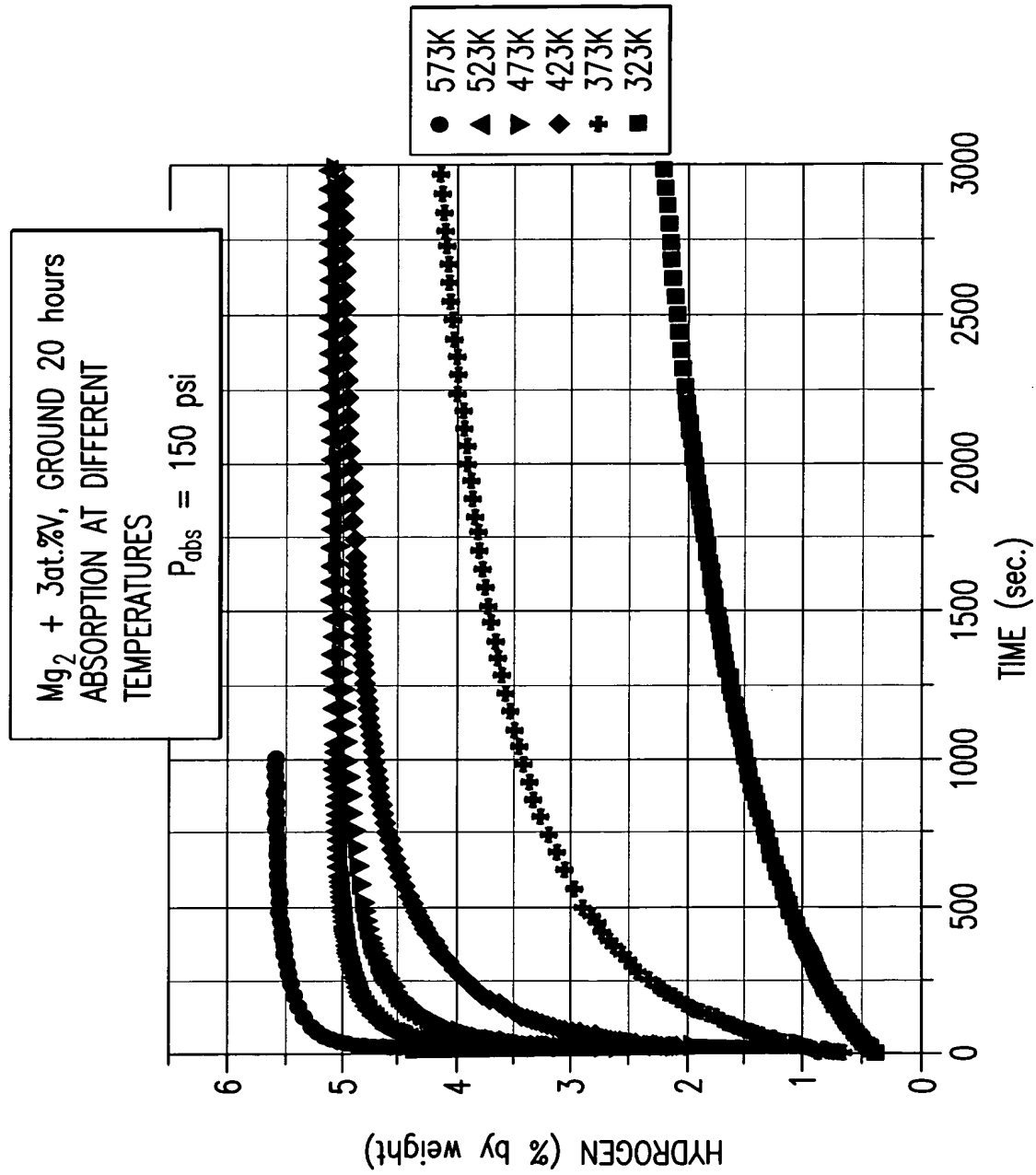


FIG.16

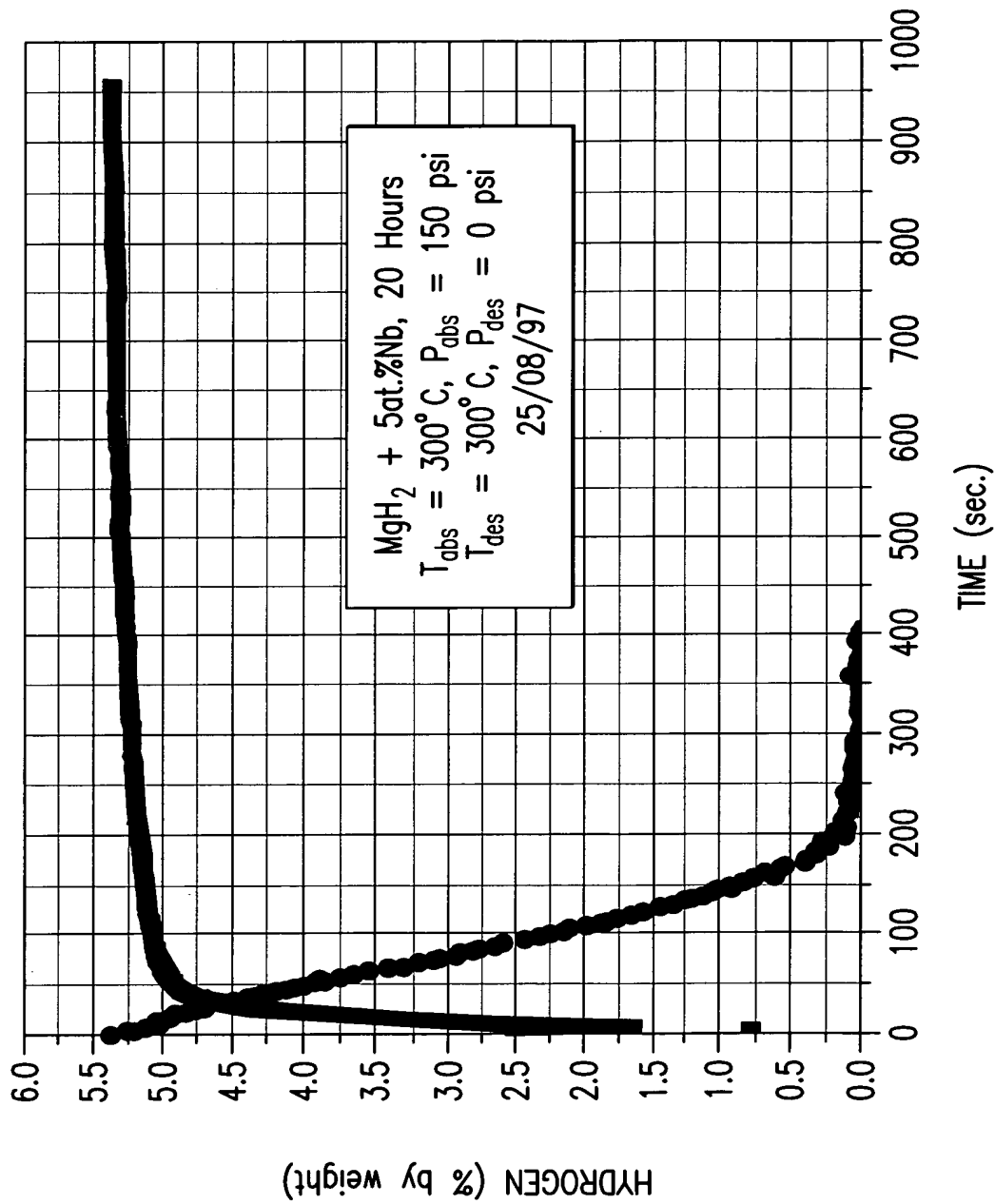


FIG.17

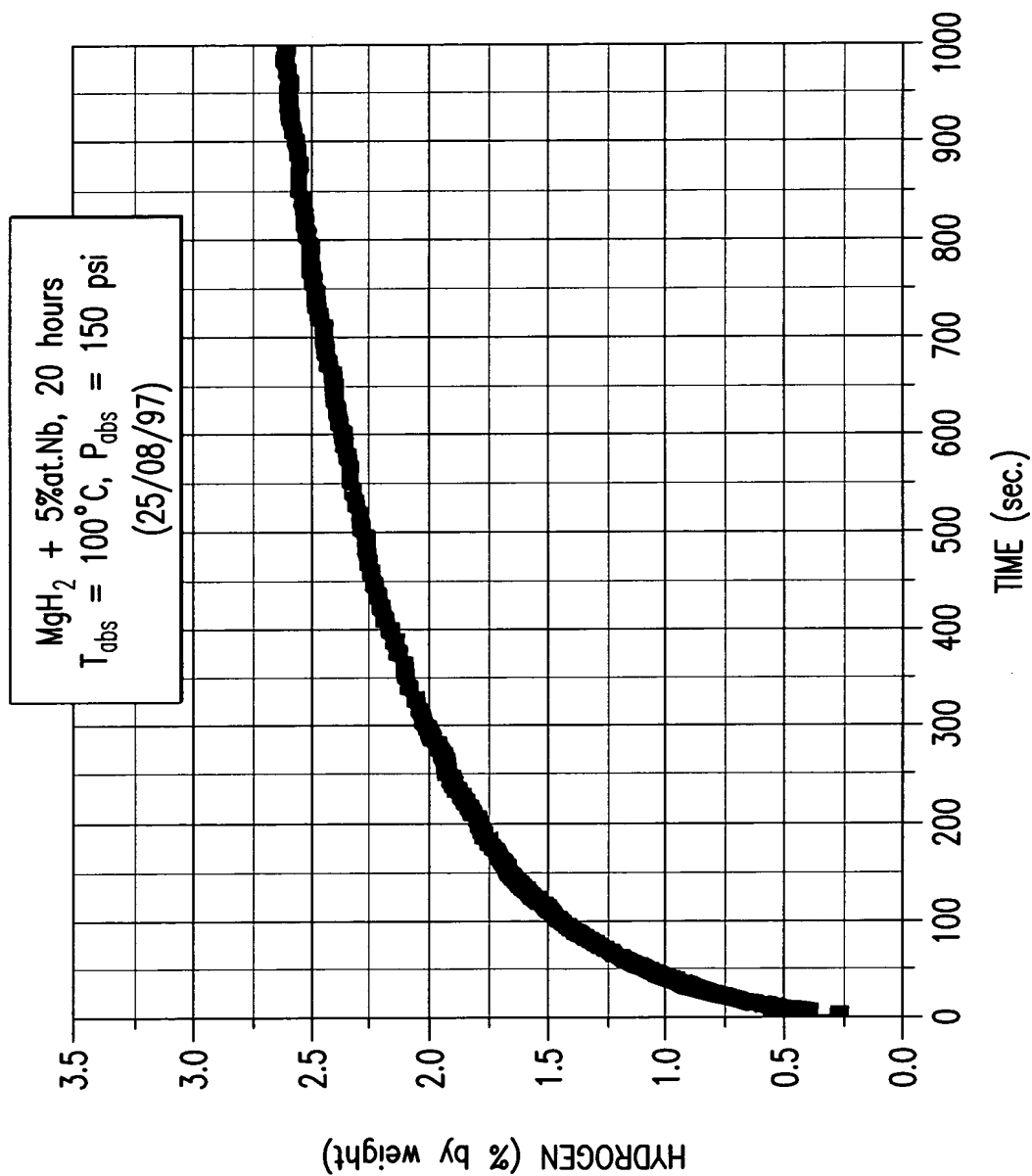


FIG.18

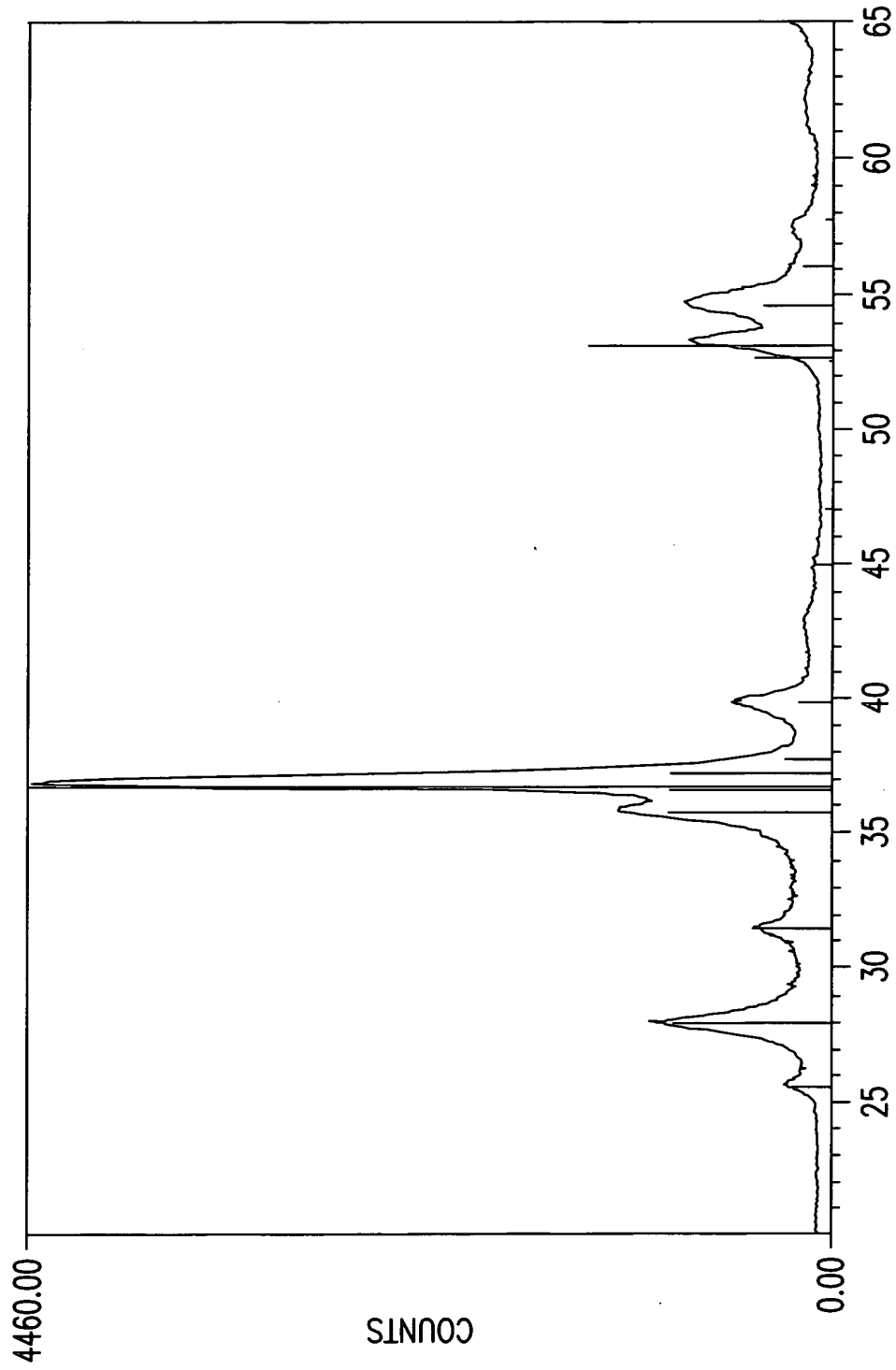


FIG.19

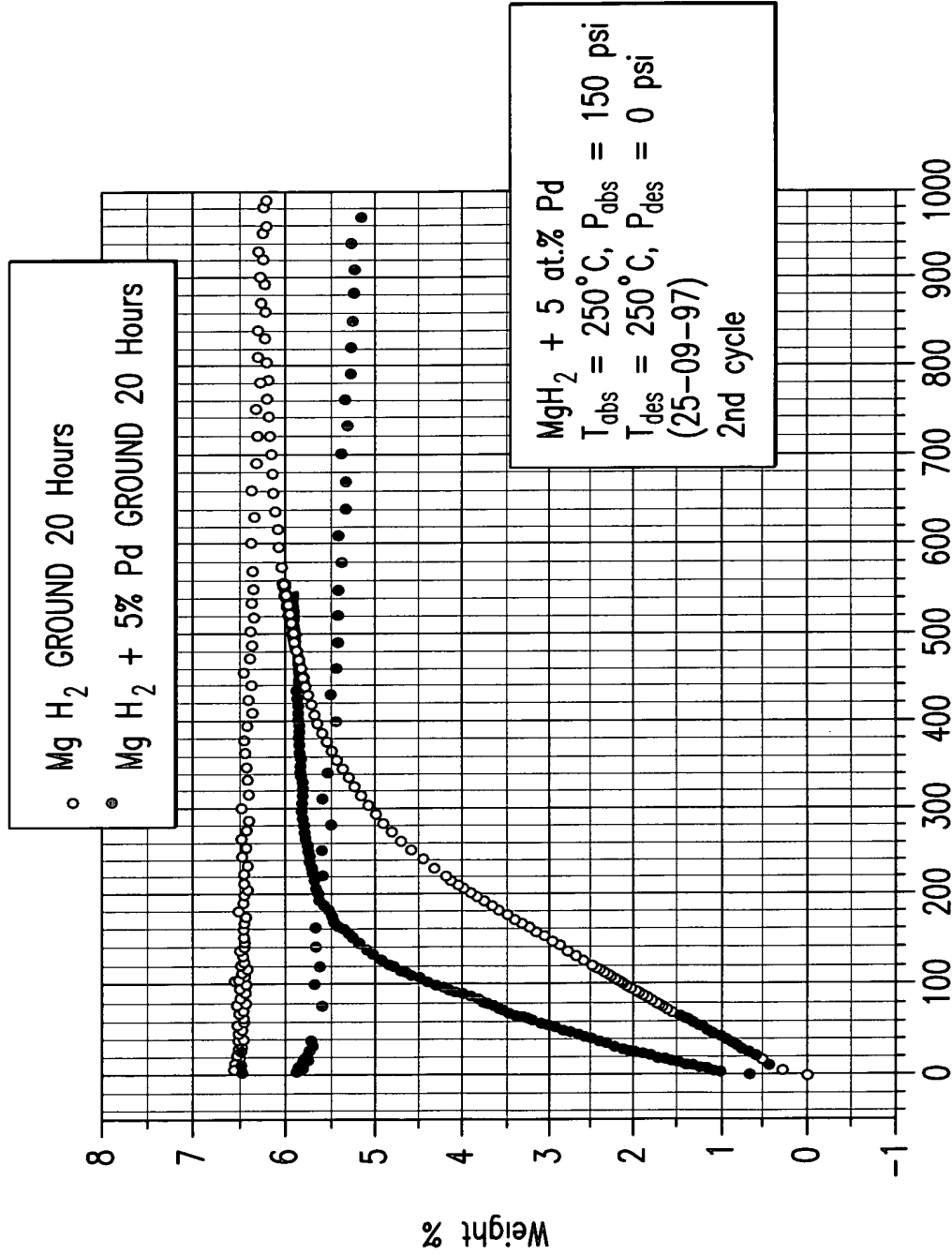


FIG.20

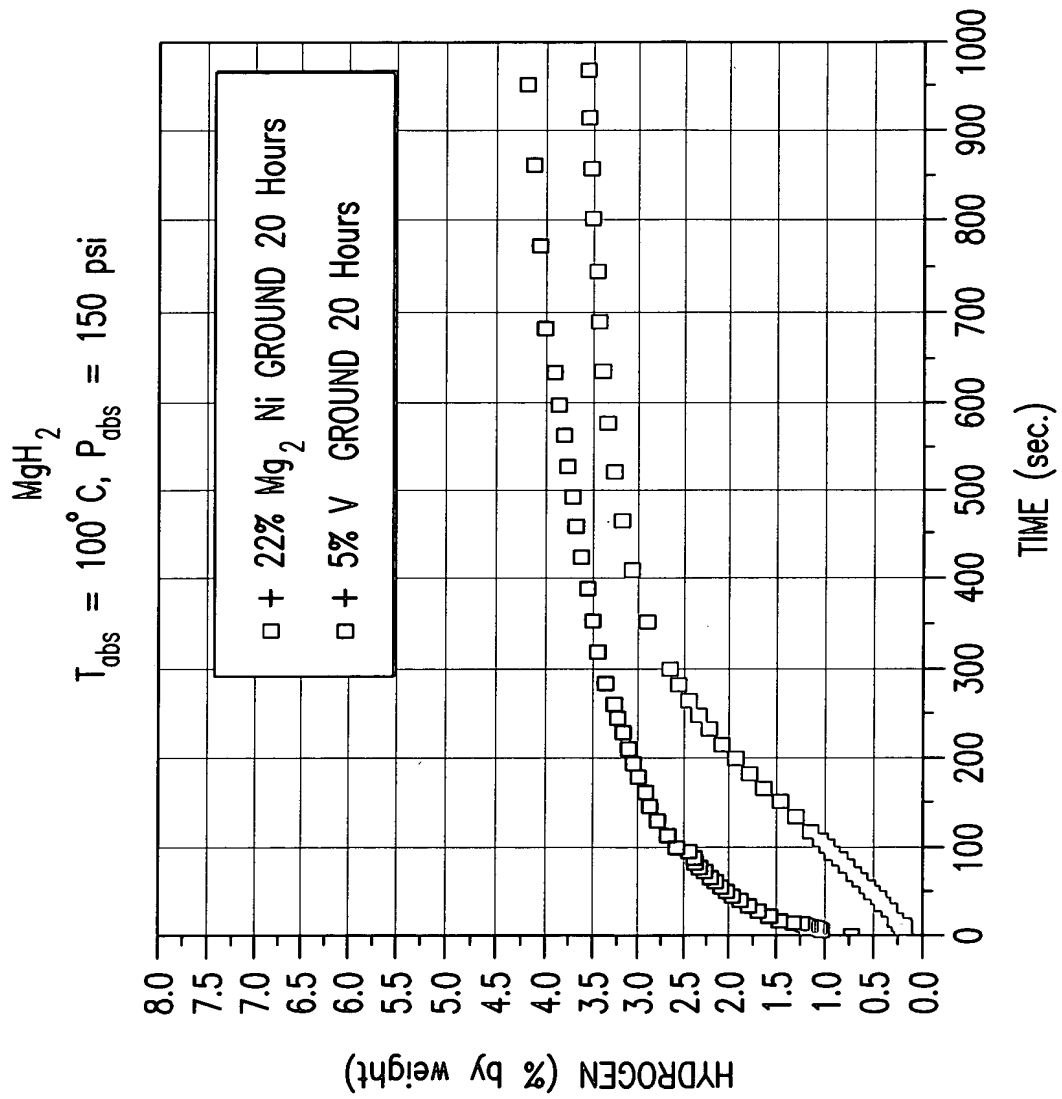


FIG. 21

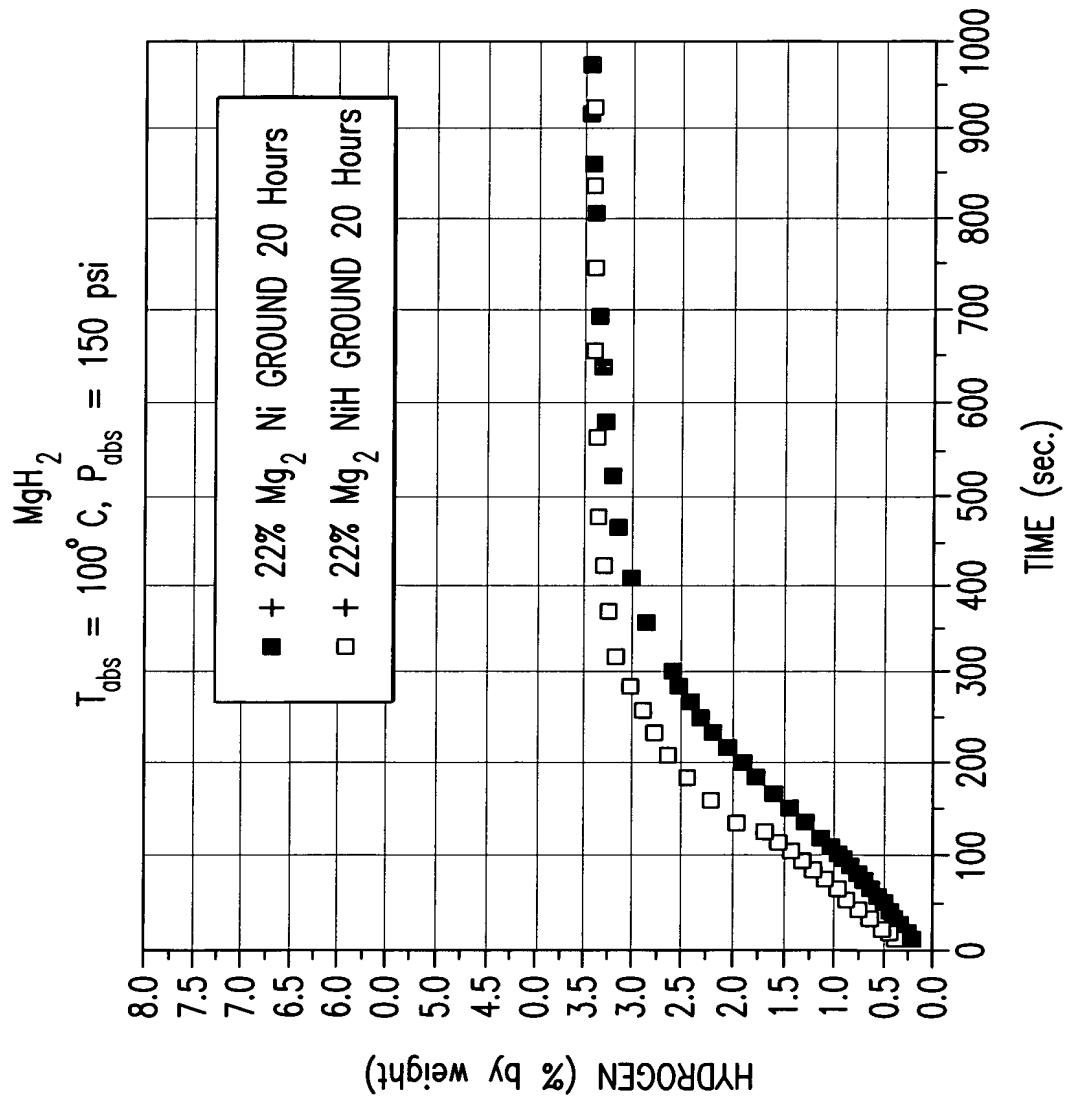


FIG.22

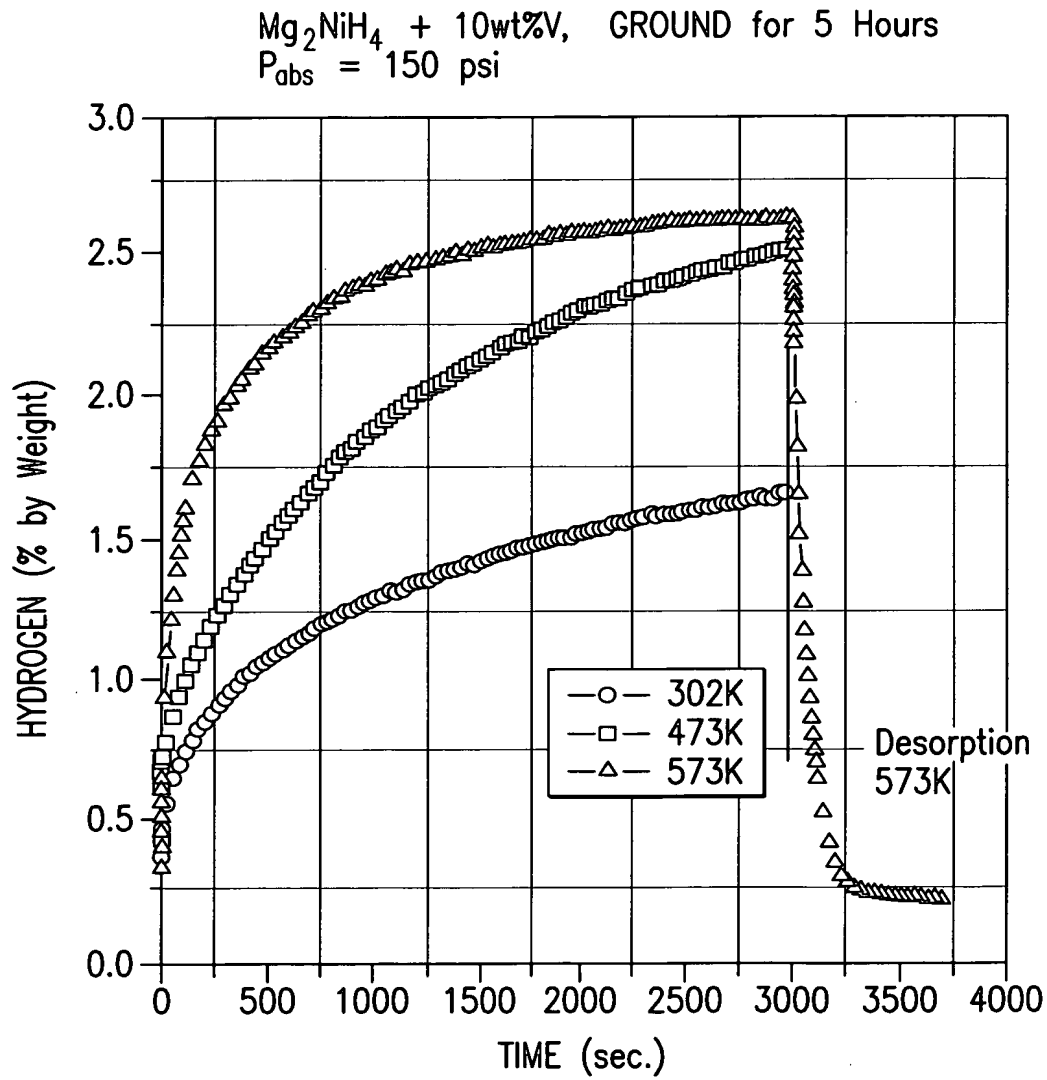


FIG.23

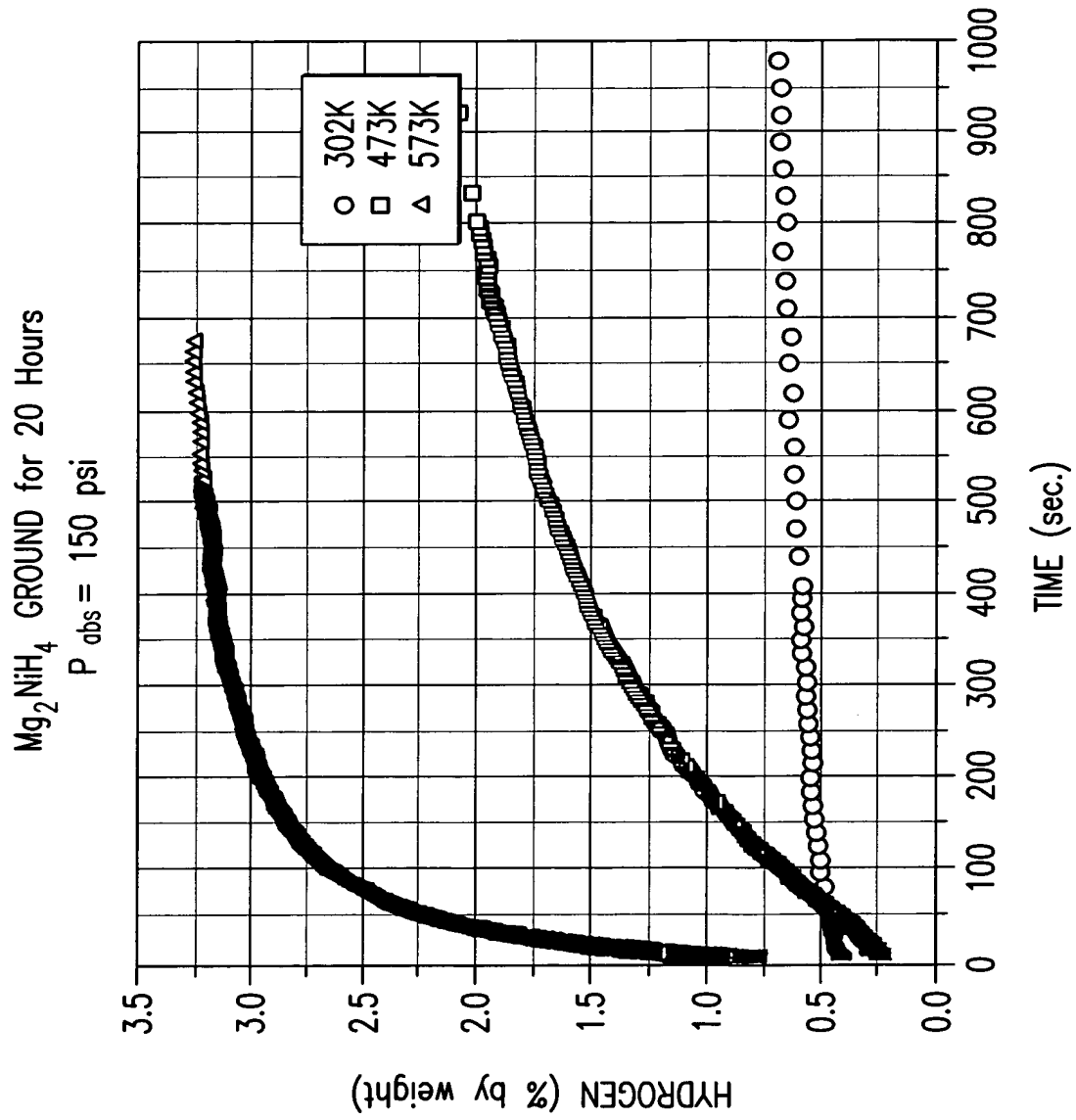


FIG.24

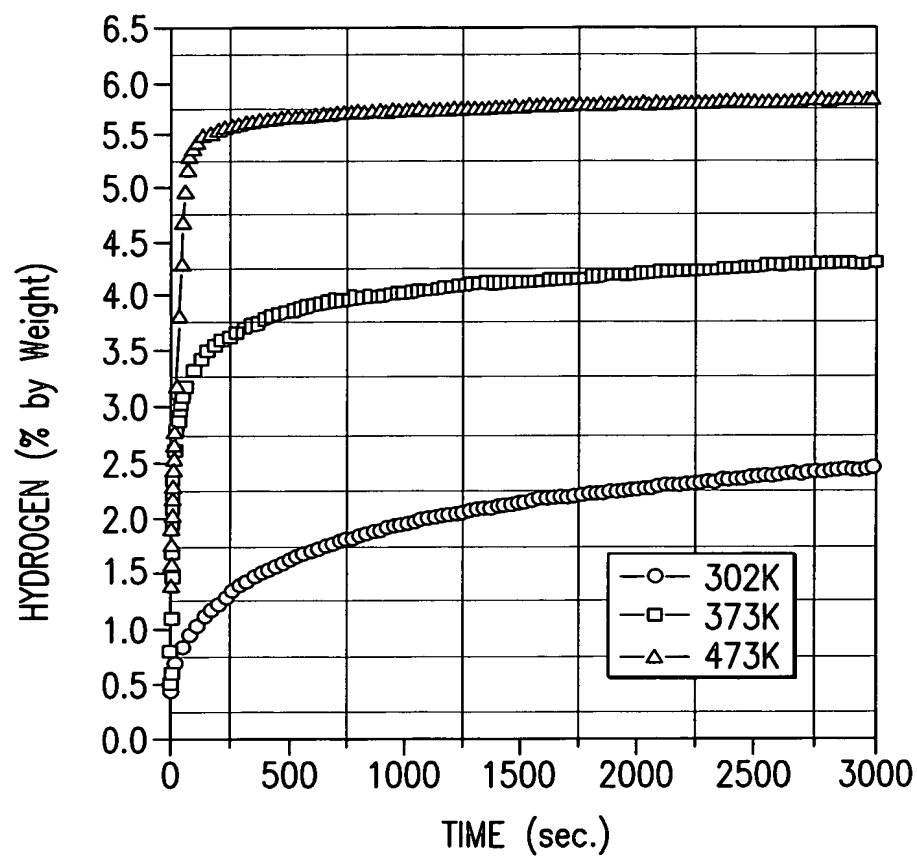


FIG.25

$\text{MgH}_2 + 10\text{at.\%V}$, MECHANICALLY GROUND for 20 Hours
 $T=563\text{K}$

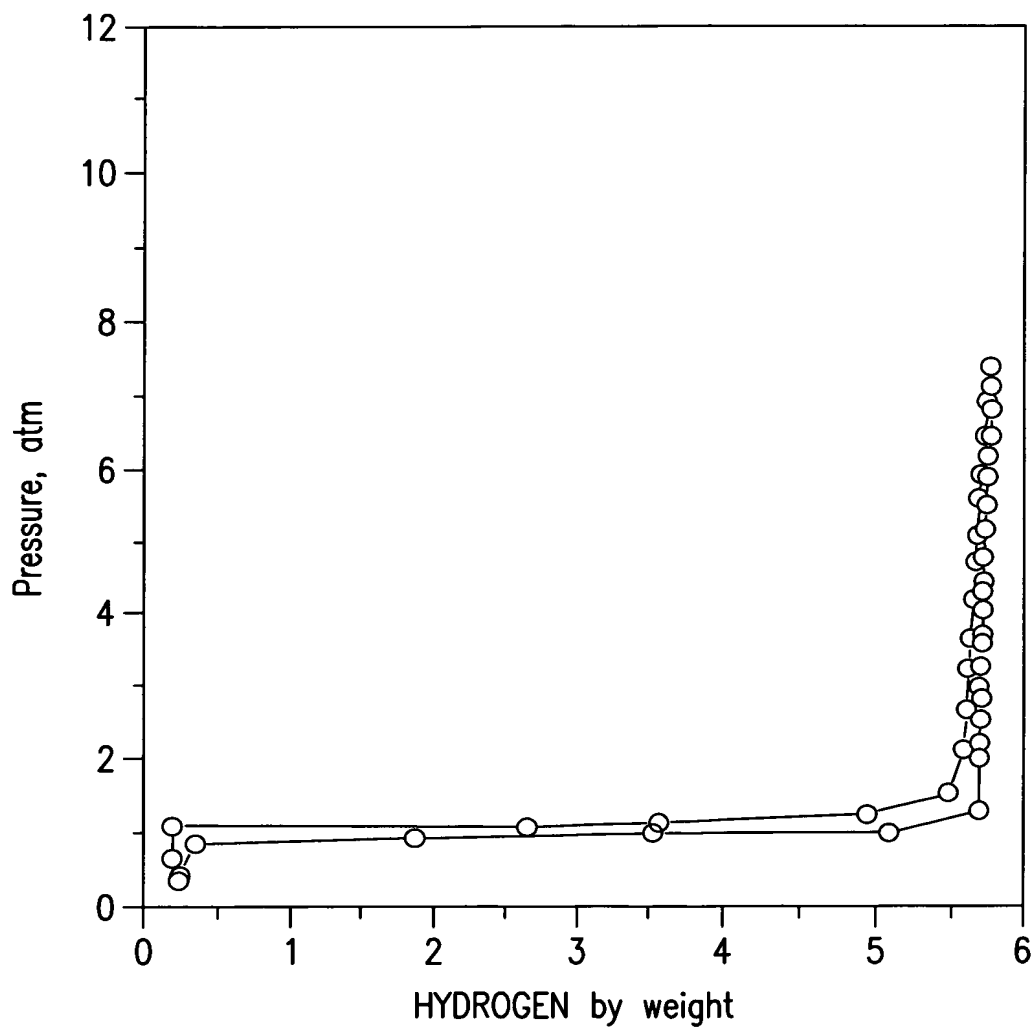


FIG.26

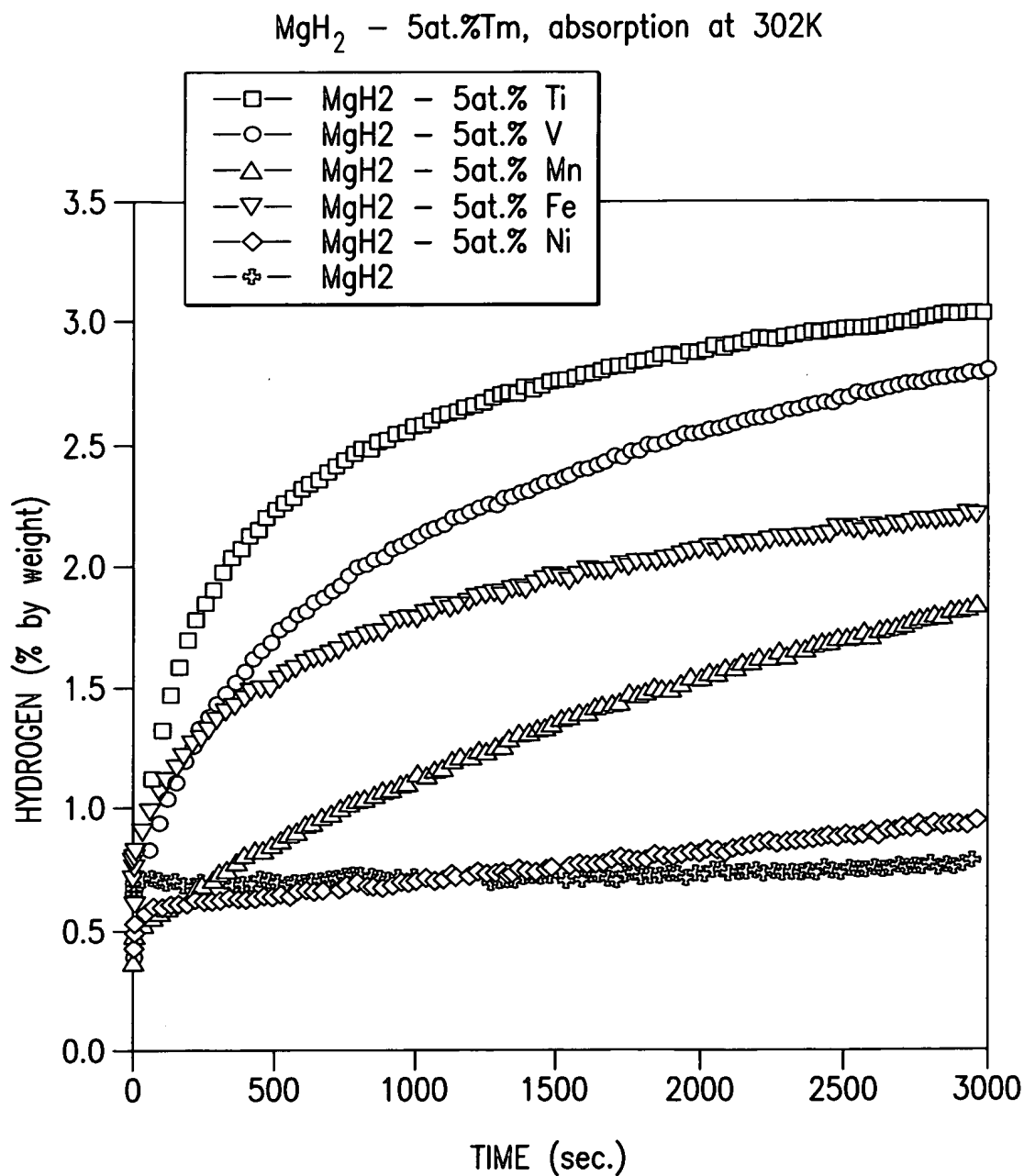
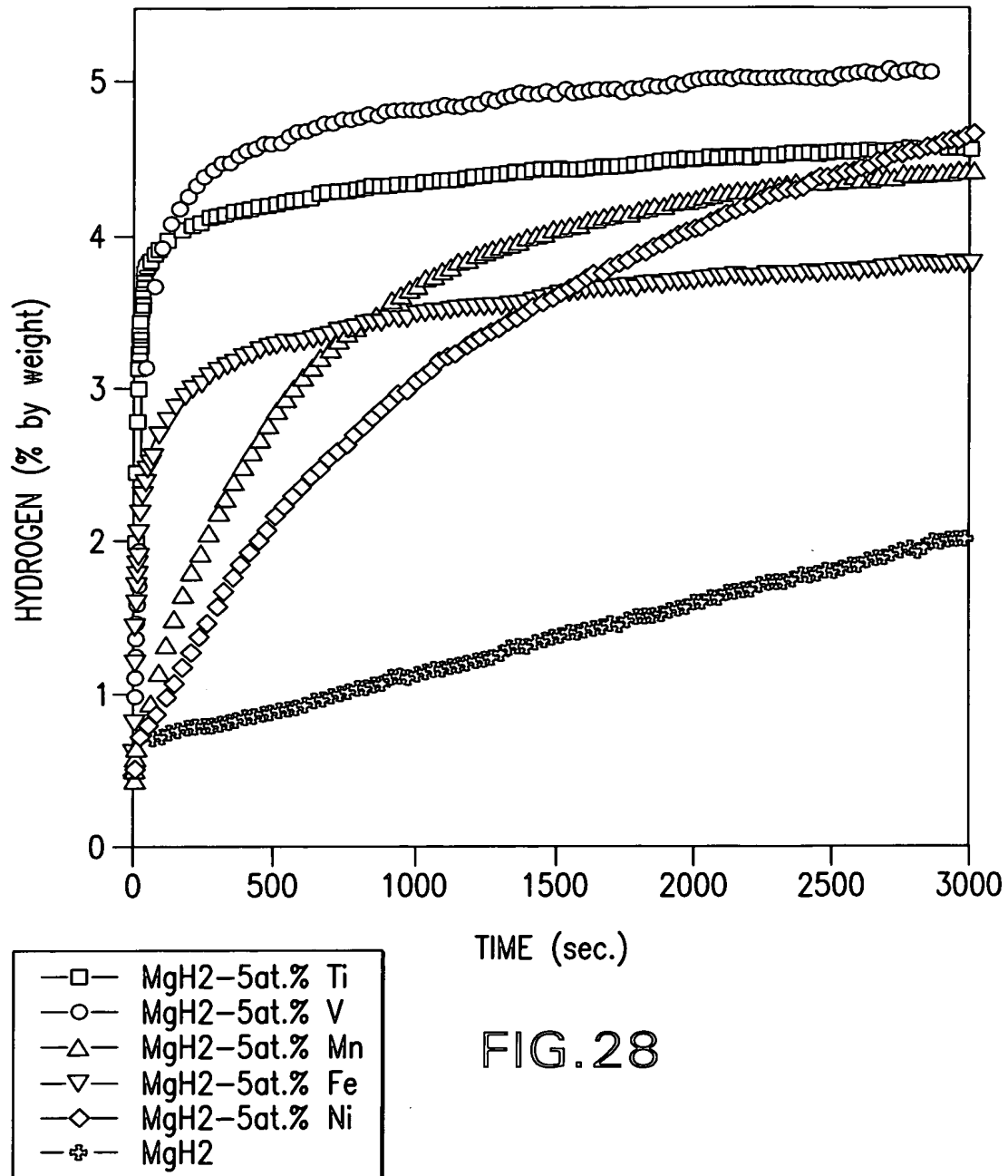


FIG.27

MgH_2 - 5at.%Tm, absorption at 373K



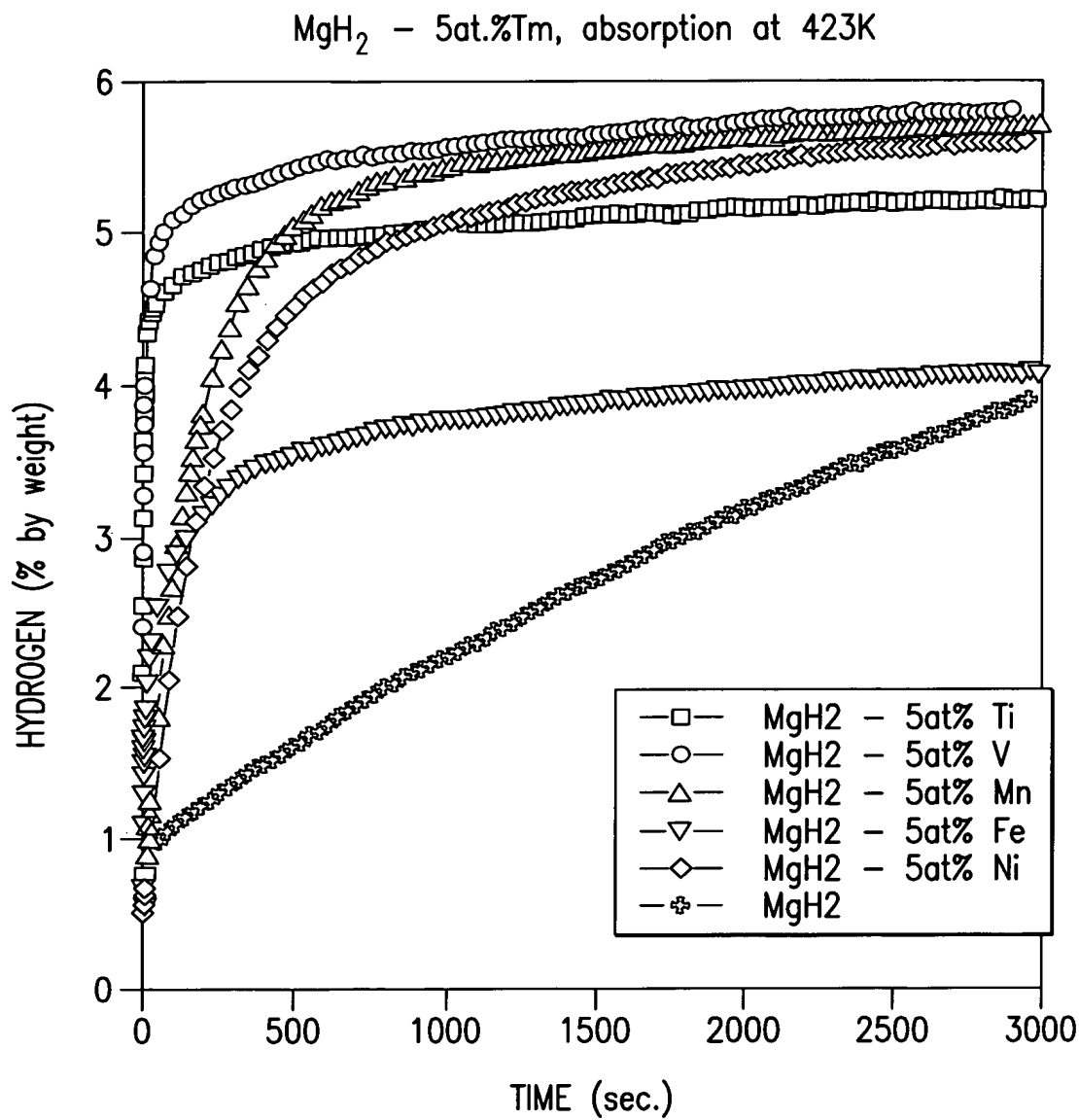


FIG. 29

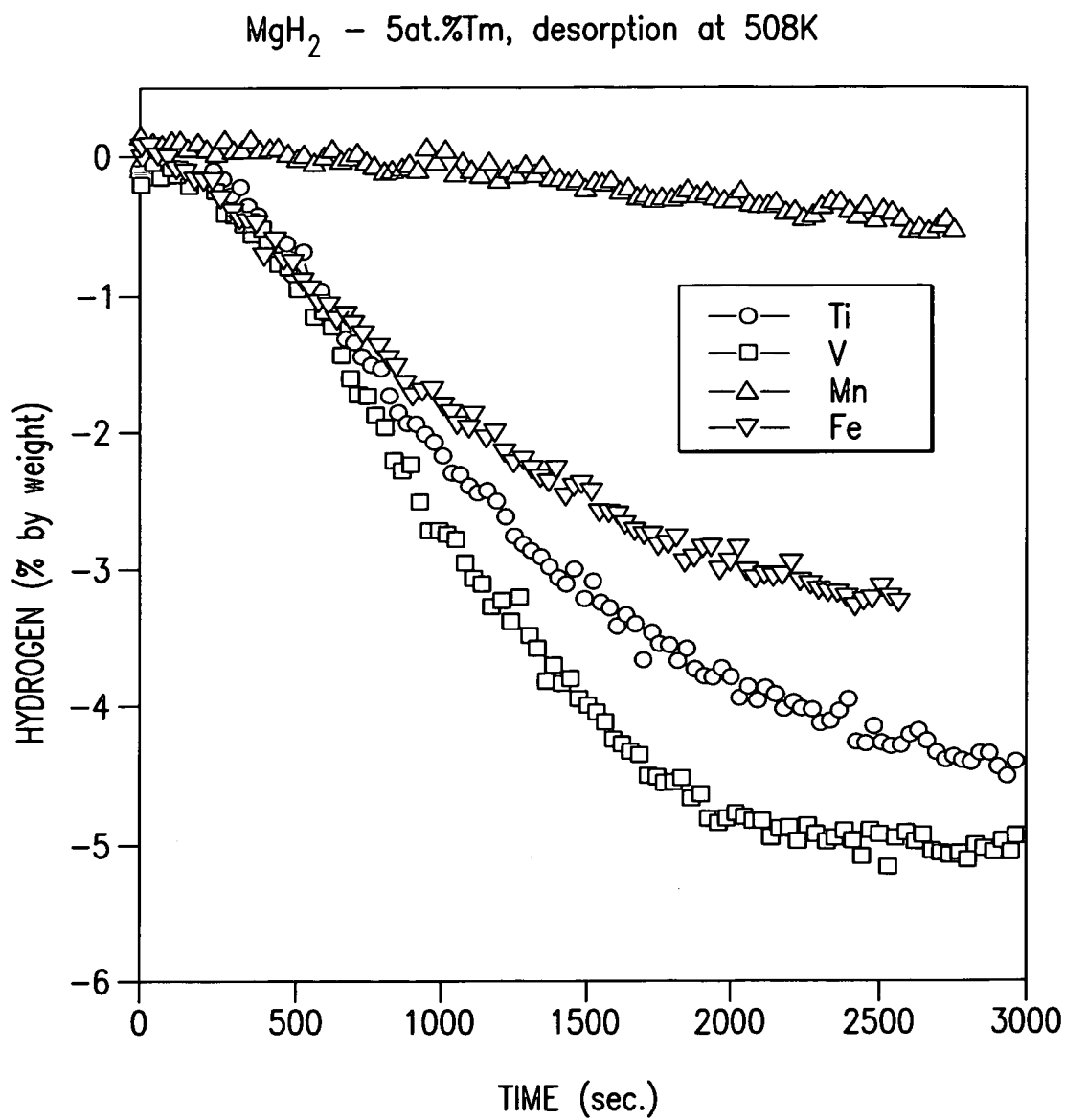


FIG.30

MgH_2 - 5at.%Tm, desorption at 573K

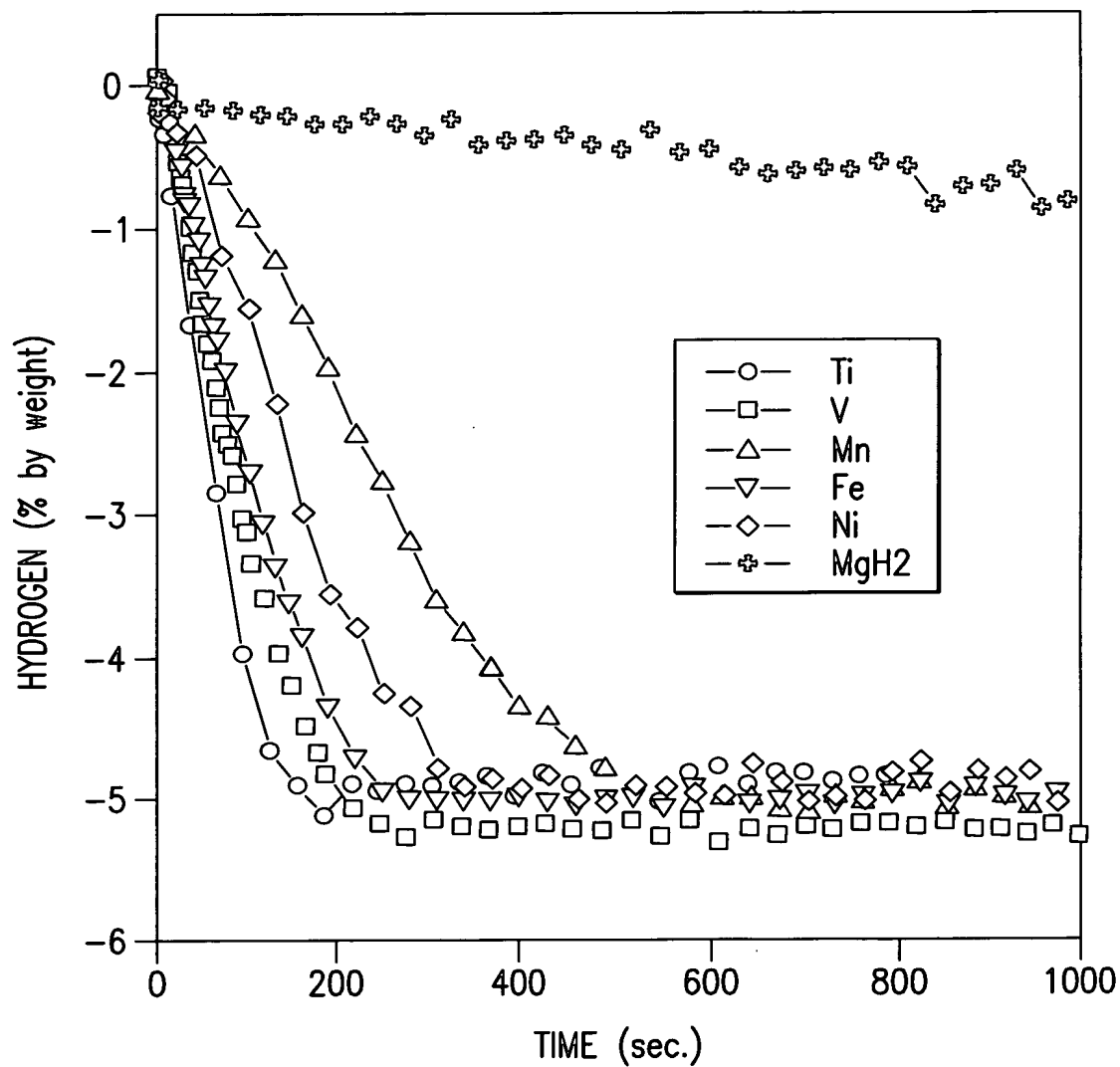


FIG.31

$\text{MgH}_2 + 5\text{at.\%Cr}$ MECHANICALLY GROUND for 20 Hours

P = 150 psi

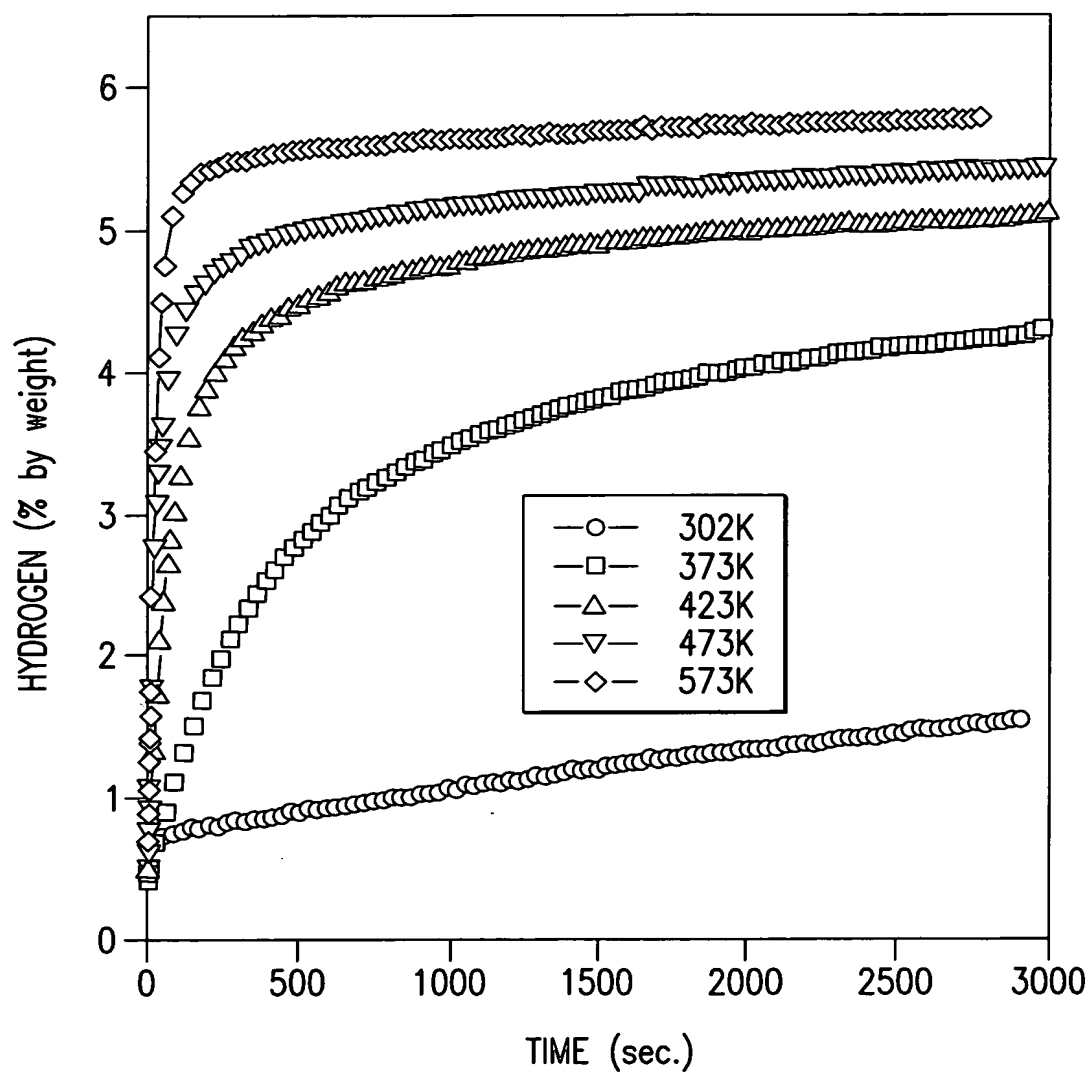


FIG.32

$\text{MgH}_2 + 5\text{at.\%Ca}$ MECHANICALLY GROUND for 20 Hours

P = 150 psi

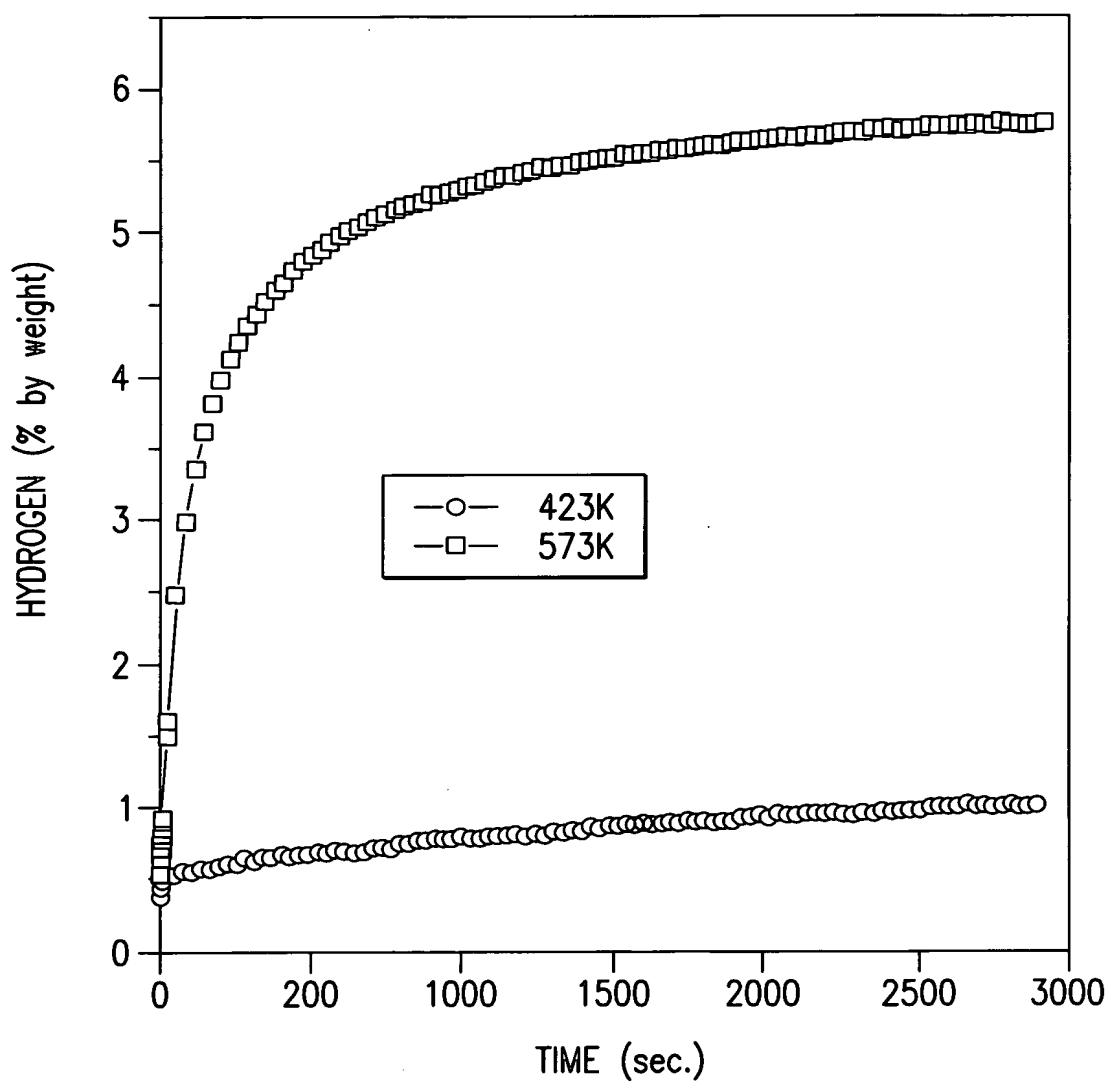


FIG.33

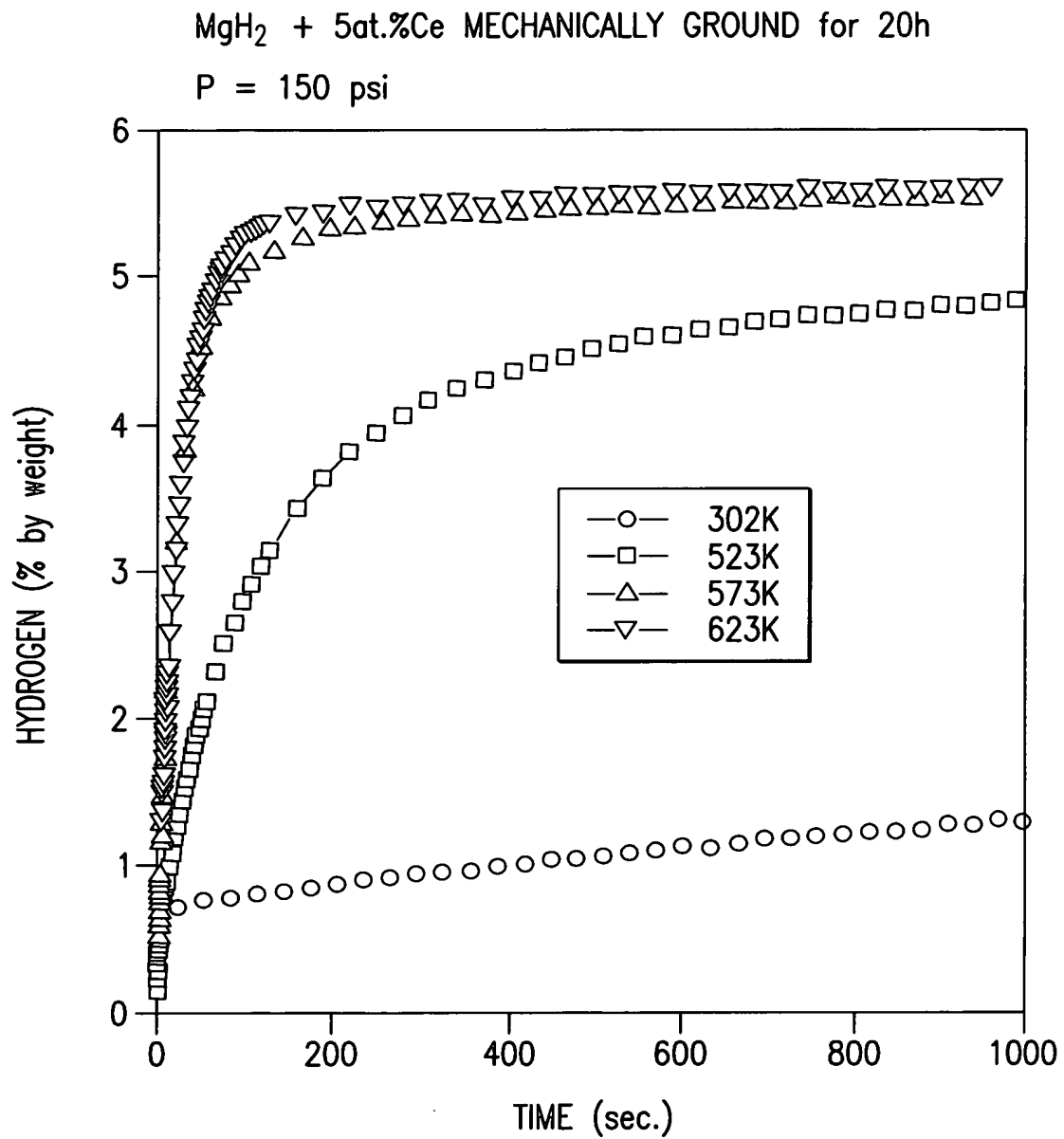


FIG.34

$\text{MgH}_2 + 5\text{wt}\%\text{Y}$, MECHANICALLY GROUND for 20h

P = 150 psi

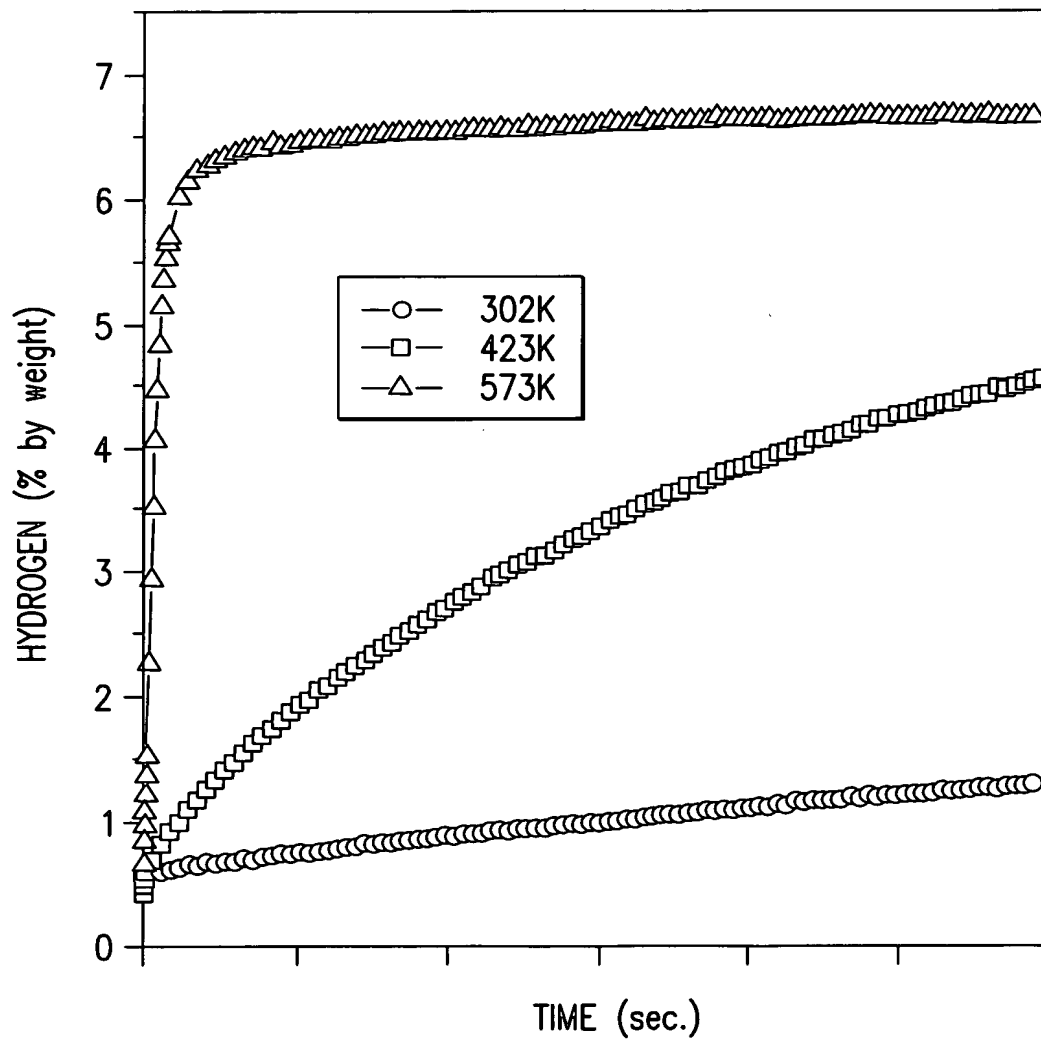


FIG.35

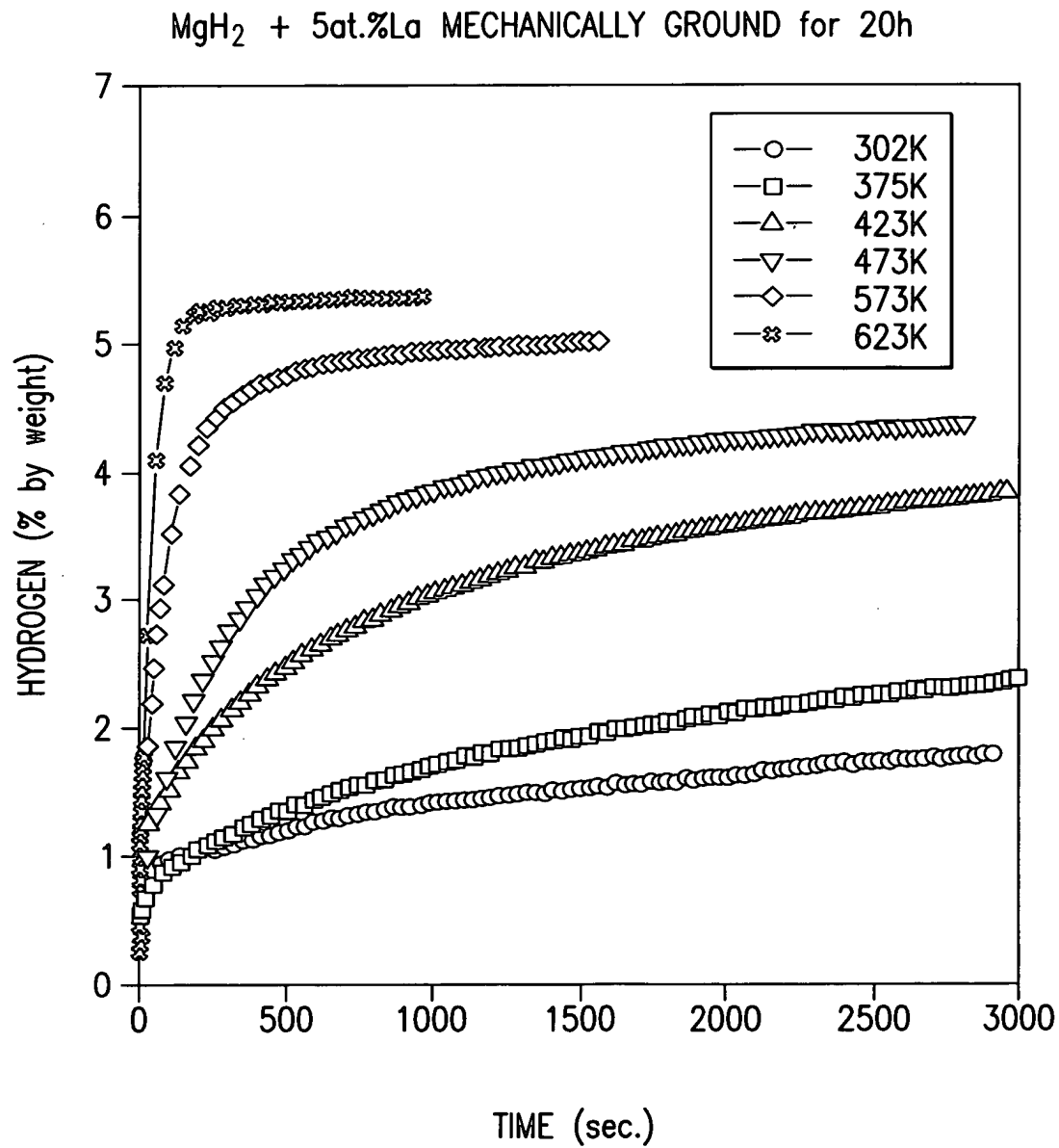


FIG.36

$\text{MgH}_2 + 5\text{at.\%Ce} - 5\text{at.\%La}$ MECHANICALLY GROUND FOR 20h

P = 150 psi

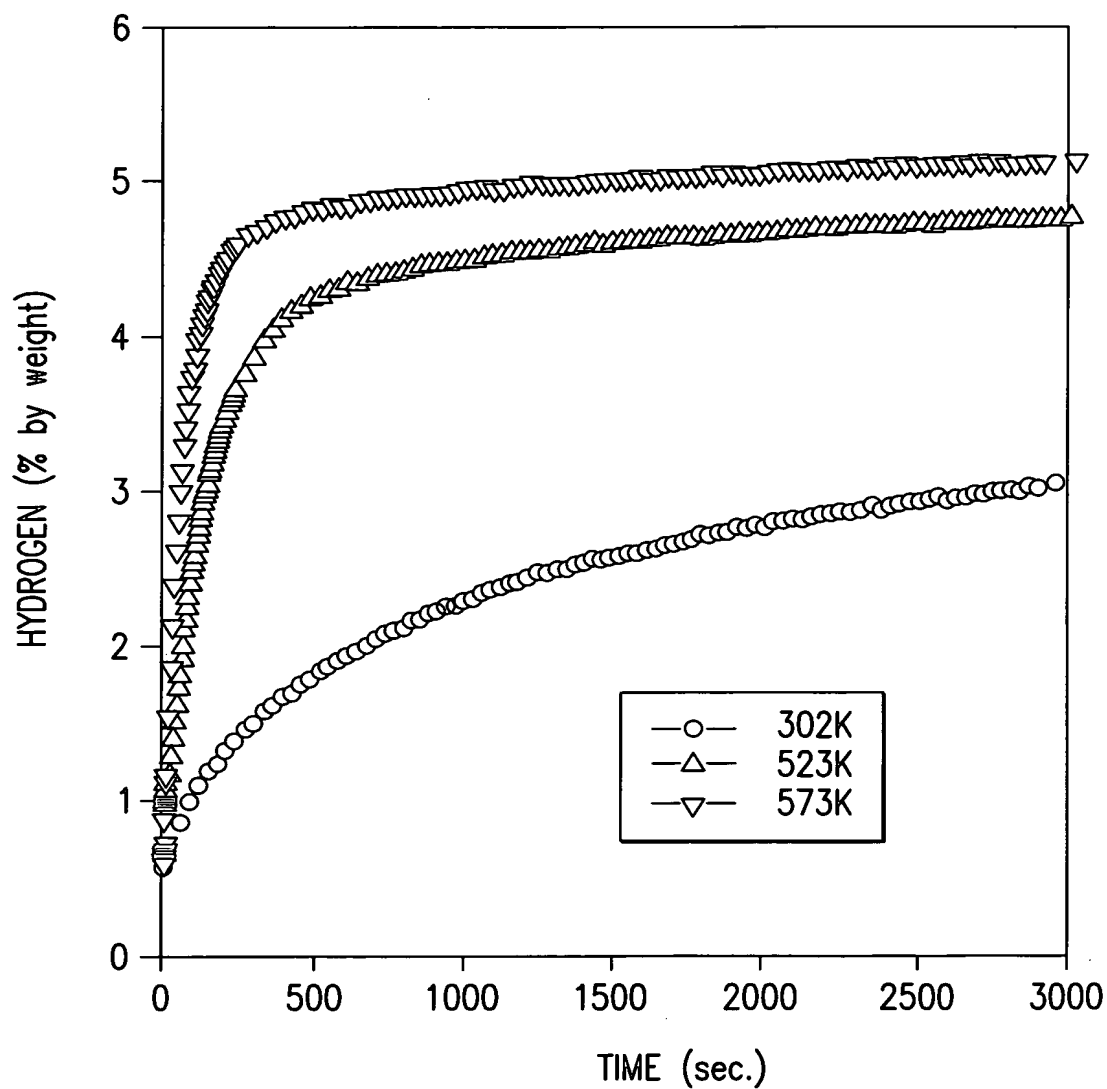


FIG.37

$\text{MgH}_2 + 5\text{at.\% Ce} + 5\text{at.\% La} + 5\text{at.\% V}$ MECHANICALLY GROUND for 20h
P = 150 psi

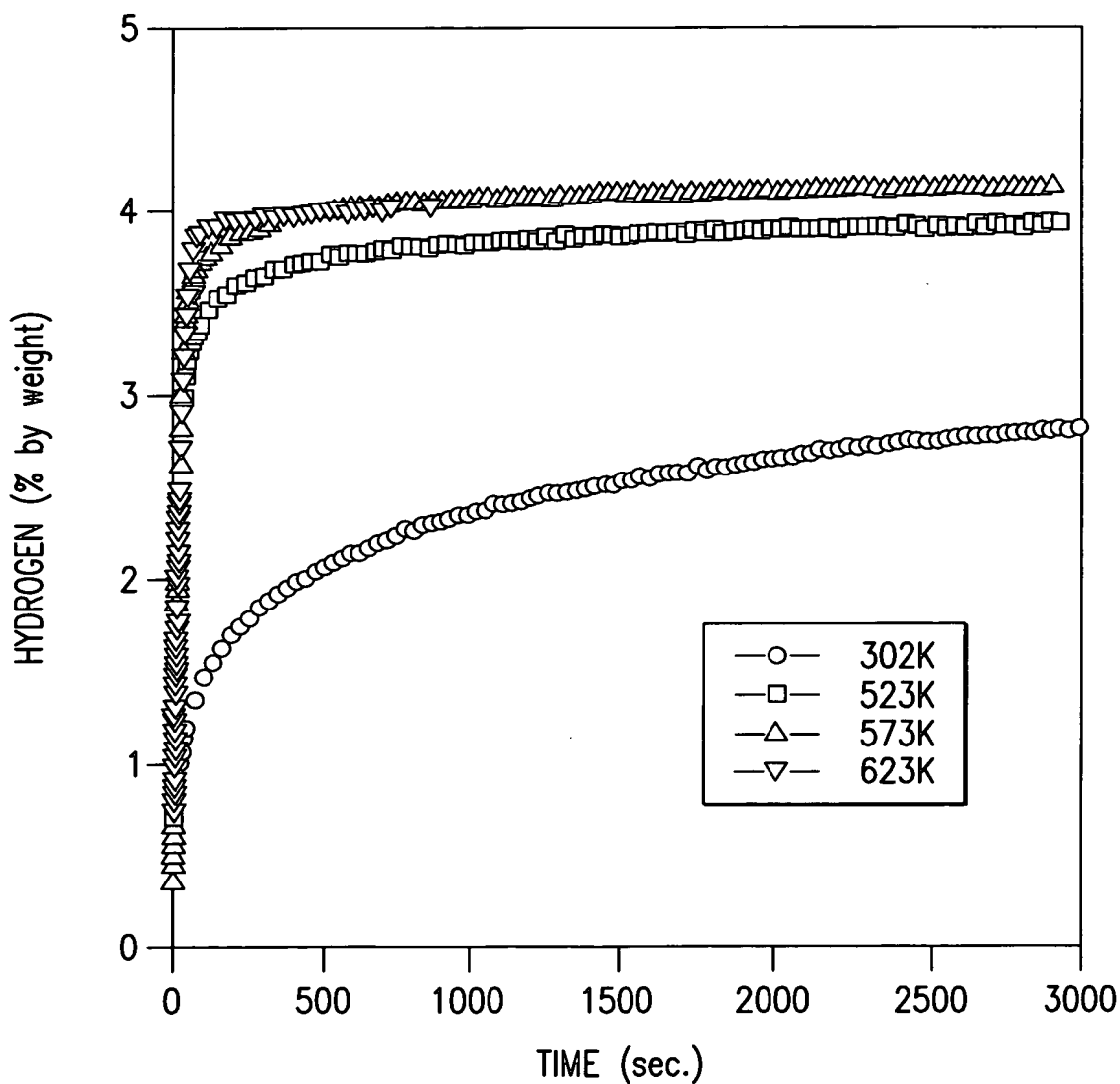


FIG.38

MgH₂ - 7% by weight V - 30% by weight LaNi₅ MECHANICALLY
GROUND for 20h

P = 150 psi

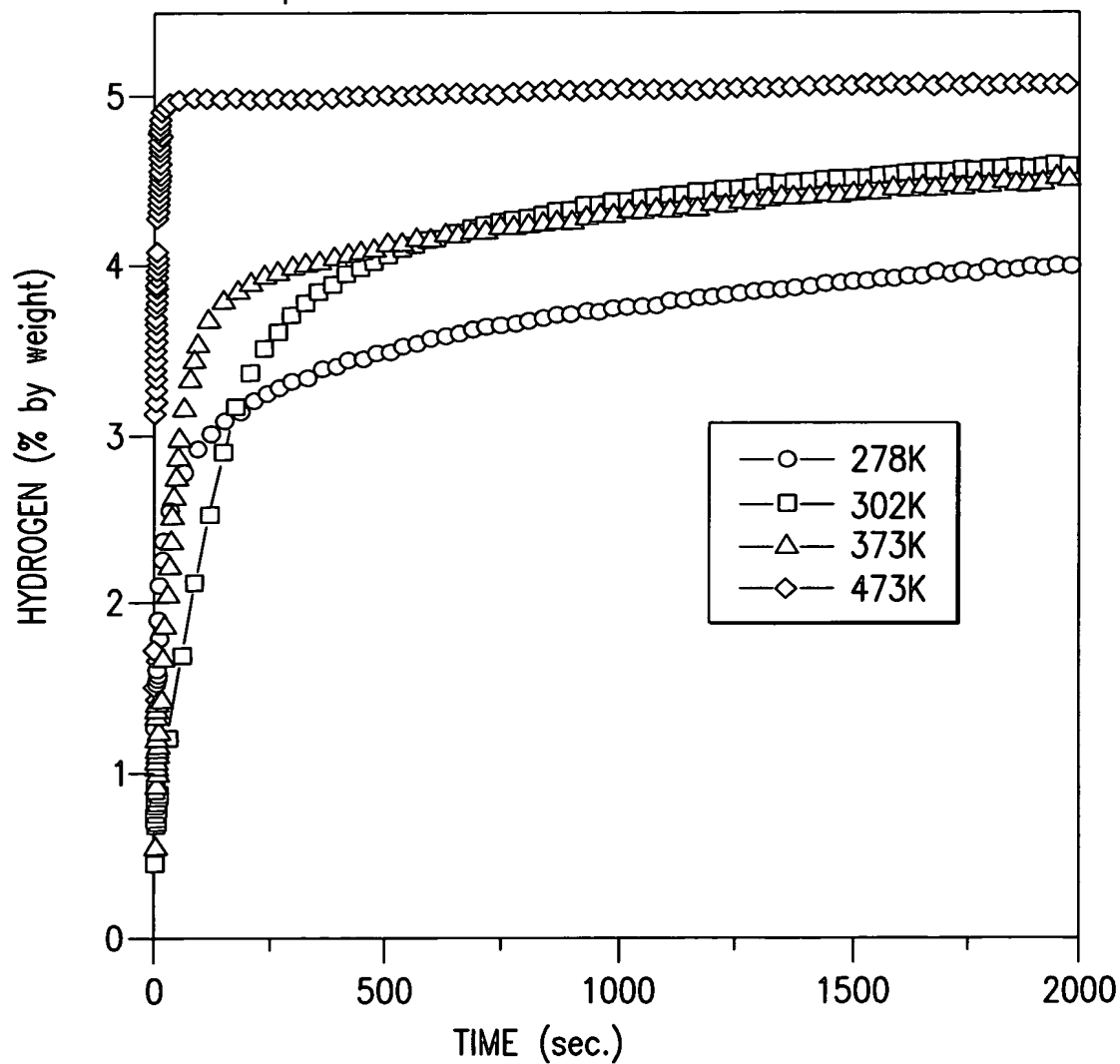


FIG.39

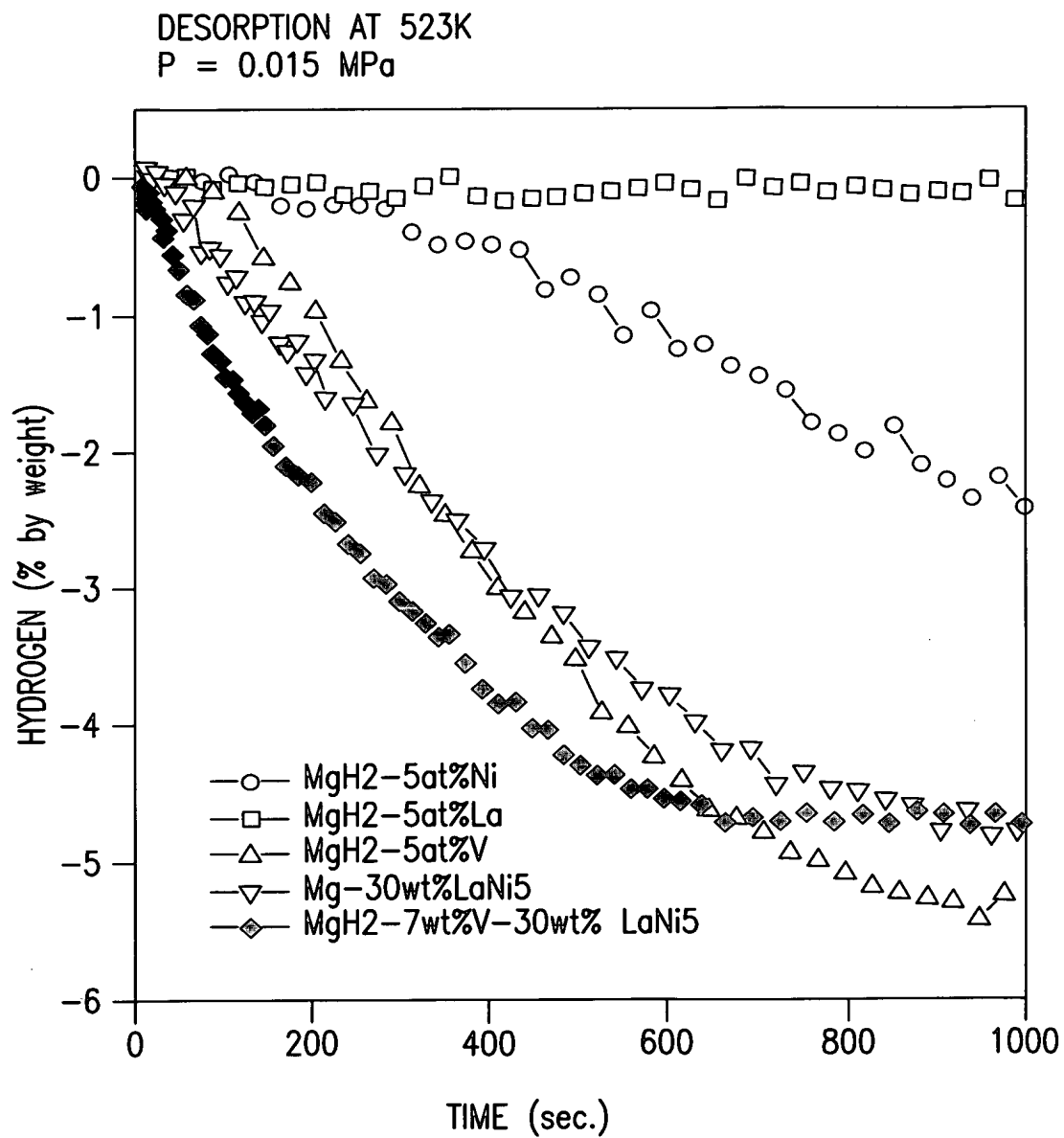


FIG.40